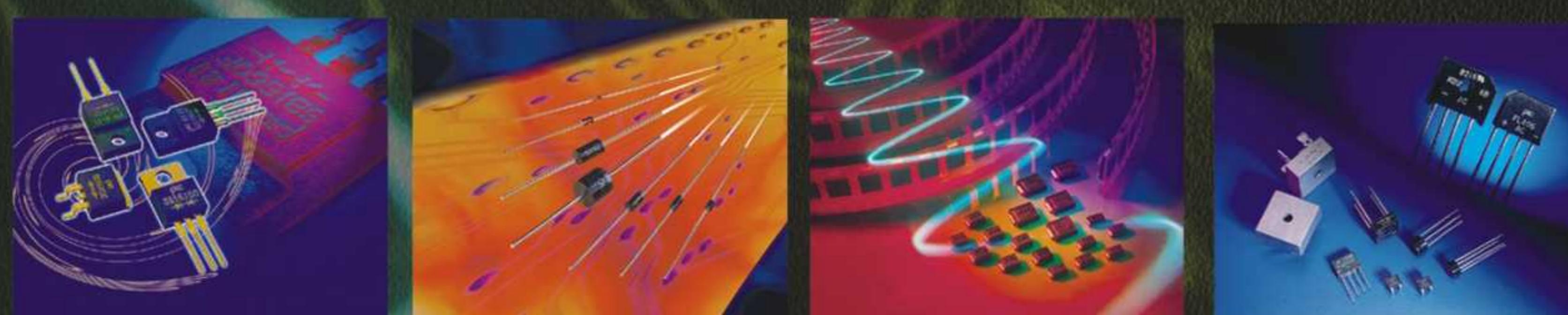


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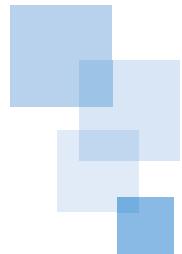


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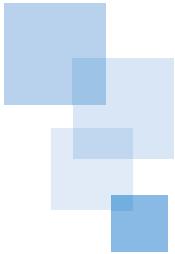
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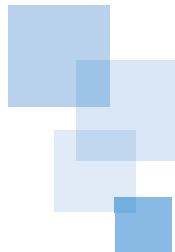
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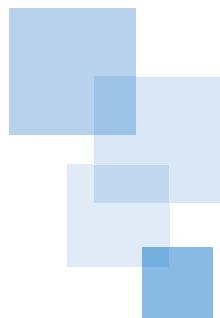
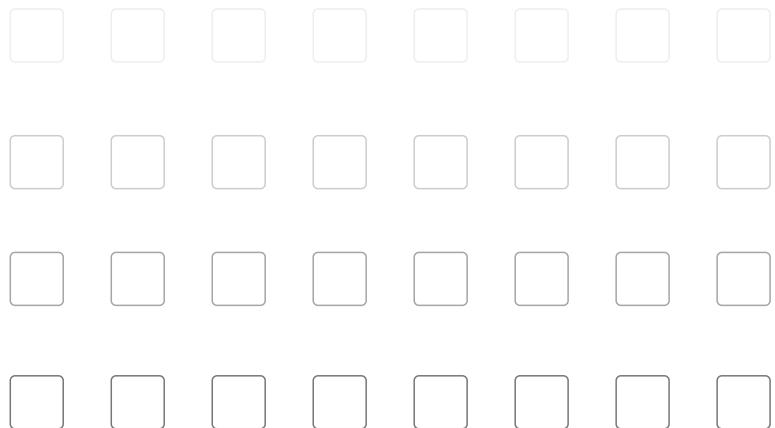
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# Thyristor Surge Protection Device

## Product Series

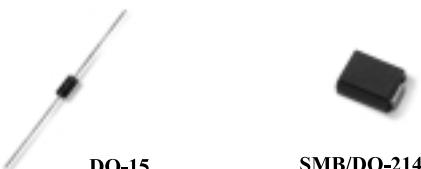
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# Thyristor Surge Protection Device A series

Part Number	Rated Repetitive Peak Off-State Voltage	Breakover Voltage	On-State Voltage	Repetitive Peak Off-State Current	Breakover Current	Holding Current	Off-State Capacitance (f = 1 MHz, V <sub>ac</sub> = 15 mV <sub>rms</sub> )			
	max.	max.	max.	max.	max.	min.	typ.	max.	typ.	max.
	V <sub>DRM</sub>	V <sub>BO</sub> @ I <sub>BO</sub>	V <sub>T</sub> @ 1A	I <sub>DRM</sub>	I <sub>BO</sub>	I <sub>H</sub>	C <sub>O</sub> @ 0 V <sub>dc</sub>	C <sub>O</sub> @ 50 V <sub>dc</sub>		
	V	V	V	μA	mA	mA	pF	pF		
<b>50A 10/1000 μs THYRISTOR SURGE PROTECTION DEVICE --AXIAL LEAD TYPE</b>										
TSP058A	58	77	5.0	5.0	800	150	44	66	16	24
TSP065A	65	88	5.0	5.0	800	150	39	64	15	23
TSP075A	75	98	5.0	5.0	800	150	37	57	13	20
TSP090A	90	130	5.0	5.0	800	150	34	54	12	18
TSP120A	120	160	5.0	5.0	800	150	32	48	12	17
TSP140A	140	180	5.0	5.0	800	150	29	47	9	16
TSP160A	160	220	5.0	5.0	800	150	28	43	9	15
TSP190A	190	260	5.0	5.0	800	150	28	40	8	14
TSP220A	220	300	5.0	5.0	800	150	27	40	8	14
TSP275A	275	350	5.0	5.0	800	150	27	38	8	13
TSP320A	320	400	5.0	5.0	800	150	27	38	8	13
<b>50A 10/1000 μs THYRISTOR SURGE PROTECTION DEVICE --SURFACE MOUNT TYPE</b>										
TSP058SA	58	77	5.0	5.0	800	150	44	66	16	24
TSP065SA	65	88	5.0	5.0	800	150	39	64	15	23
TSP075SA	75	98	5.0	5.0	800	150	37	57	13	20
TSP090SA	90	130	5.0	5.0	800	150	34	54	12	18
TSP120SA	120	160	5.0	5.0	800	150	32	48	12	17
TSP140SA	140	180	5.0	5.0	800	150	29	47	9	16
TSP160SA	160	220	5.0	5.0	800	150	28	43	9	15
TSP190SA	190	260	5.0	5.0	800	150	28	40	8	14
TSP220SA	220	300	5.0	5.0	800	150	27	40	8	14
TSP275SA	275	350	5.0	5.0	800	150	27	30	8	13
TSP320SA	320	400	5.0	5.0	800	150	27	38	8	13

Non-Repetitive Peak Pulse Current						Non-Repetitive Peak On-State Surge Current	Package	Part Number
I <sub>PPS</sub>						max.		
2 / 10 µs	8 / 20 µs	10 / 160 µs	5 / 310 µs	10 / 560 µs	10 / 1000 µs	I <sub>TSM</sub>		
A						A		
<b>50A 10/1000 µs THYRISTOR SURGE PROTECTION DEVICE --AXIAL LEAD TYPE</b> (continued)								
175	150	100	85	70	50	20	DO-15	TSP058A
175	150	100	85	70	50	20	DO-15	TSP065A
175	150	100	85	70	50	20	DO-15	TSP075A
175	150	100	85	70	50	20	DO-15	TSP090A
175	150	100	85	70	50	20	DO-15	TSP120A
175	150	100	85	70	50	20	DO-15	TSP140A
175	150	100	85	70	50	20	DO-15	TSP160A
175	150	100	85	70	50	20	DO-15	TSP190A
175	150	100	85	70	50	20	DO-15	TSP220A
175	150	100	85	70	50	20	DO-15	TSP275A
175	150	100	85	70	50	20	DO-15	TSP320A
<b>50A 10/1000 µs THYRISTOR SURGE PROTECTION DEVICE --SURFACE MOUNT TYPE</b> (continued)								
175	150	100	85	70	50	20	SMB/DO-214AA	TSP058SA
175	150	100	85	70	50	20	SMB/DO-214AA	TSP065SA
175	150	100	85	70	50	20	SMB/DO-214AA	TSP075SA
175	150	100	85	70	50	20	SMB/DO-214AA	TSP090SA
175	150	100	85	70	50	20	SMB/DO-214AA	TSP120SA
175	150	100	85	70	50	20	SMB/DO-214AA	TSP140SA
175	150	100	85	70	50	20	SMB/DO-214AA	TSP160SA
175	150	100	85	70	50	20	SMB/DO-214AA	TSP190SA
175	150	100	85	70	50	20	SMB/DO-214AA	TSP220SA
175	150	100	85	70	50	20	SMB/DO-214AA	TSP275SA
175	150	100	85	70	50	20	SMB/DO-214AA	TSP320SA



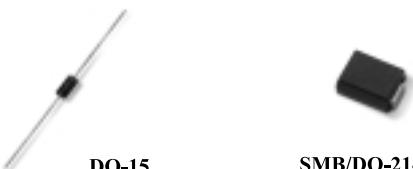
DO-15

SMB/DO-214AA

# Thyristor Surge Protection Device B series

Part Number	Rated Repetitive Peak Off-State Voltage	Breakover Voltage	On-State Voltage	Repetitive Peak Off-State Current	Breakover Current	Holding Current	Off-State Capacitance (f = 1 MHz, V <sub>ac</sub> = 15 mV <sub>rms</sub> )			
	max.	max.	max.	max.	max.	min.	typ.	max.	typ.	max.
	V <sub>DRM</sub>	V <sub>BO</sub> @ I <sub>BO</sub>	V <sub>T</sub> @ 1A	I <sub>DRM</sub>	I <sub>BO</sub>	I <sub>H</sub>	C <sub>O</sub> @ 0 V <sub>dc</sub>	C <sub>O</sub> @ 50 V <sub>dc</sub>		
	V	V	V	μA	mA	mA	pF	pF		
<b>80A 10/1000 μS THYRISTOR SURGE PROTECTION DEVICE --AXIAL LEAD TYPE</b>										
TSP058B	58	77	5	5	800	150	70	100	24	29
TSP065B	65	88	5	5	800	150	67	90	22	28
TSP075B	75	98	5	5	800	150	67	78	23	27
TSP090B	90	130	5	5	800	150	57	61	19	21
TSP120B	120	160	5	5	800	150	50	58	17	20
TSP140B	140	180	5	5	800	150	49	54	16	19
TSP160B	160	220	5	5	800	150	46	53	15	18
TSP190B	190	260	5	5	800	150	45	53	14	18
TSP220B	220	300	5	5	800	150	44	52	13	18
TSP275B	275	350	5	5	800	150	44	51	13	18
TSP320B	320	400	5	5	800	150	43	50	13	17
<b>80A 10/1000 μS THYRISTOR SURGE PROTECTION DEVICE --SURFACE MOUNT TYPE</b>										
TSP058SB	58	77	5	5	800	150	70	100	24	29
TSP065SB	65	88	5	5	800	150	67	90	22	28
TSP075SB	75	98	5	5	800	150	67	78	23	27
TSP090SB	90	130	5	5	800	150	57	61	19	21
TSP120SB	120	160	5	5	800	150	50	58	17	20
TSP140SB	140	180	5	5	800	150	49	54	16	19
TSP160SB	160	220	5	5	800	150	46	53	15	18
TSP190SB	190	260	5	5	800	150	45	53	14	18
TSP220SB	220	300	5	5	800	150	44	52	13	18
TSP275SB	275	350	5	5	800	150	44	51	13	18
TSP320SB	320	400	5	5	800	150	43	50	13	17

Non-Repetitive Peak Pulse Current						Non-Repetitive Peak On-State Surge Current	Package	Part Number
I <sub>PPS</sub>						max.		
2 / 10 µs	8 / 20 µs	10 / 160 µs	5 / 310 µs	10 / 560 µs	10 / 1000 µs	I <sub>TSM</sub>		
A						A		
<b>80A 10/1000 µs THYRISTOR SURGE PROTECTION DEVICE --AXIAL LEAD TYPE</b>								
(continued)								
300	225	150	115	100	80	30	DO-15	TSP058B
300	225	150	115	100	80	30	DO-15	TSP065B
300	225	150	115	100	80	30	DO-15	TSP075B
300	225	150	115	100	80	30	DO-15	TSP090B
300	225	150	115	100	80	30	DO-15	TSP120B
300	225	150	115	100	80	30	DO-15	TSP140B
300	225	150	115	100	80	30	DO-15	TSP160B
300	225	150	115	100	80	30	DO-15	TSP190B
300	225	150	115	100	80	30	DO-15	TSP220B
300	225	150	115	100	80	30	DO-15	TSP275B
300	225	150	115	100	80	30	DO-15	TSP320B
<b>80A 10/1000 µs THYRISTOR SURGE PROTECTION DEVICE --SURFACE MOUNT TYPE</b>								
(continued)								
300	225	150	115	100	80	30	SMB/DO-214AA	TSP058SB
300	225	150	115	100	80	30	SMB/DO-214AA	TSP065SB
300	225	150	115	100	80	30	SMB/DO-214AA	TSP075SB
300	225	150	115	100	80	30	SMB/DO-214AA	TSP090SB
300	225	150	115	100	80	30	SMB/DO-214AA	TSP120SB
300	225	150	115	100	80	30	SMB/DO-214AA	TSP140SB
300	225	150	115	100	80	30	SMB/DO-214AA	TSP160SB
300	225	150	115	100	80	30	SMB/DO-214AA	TSP190SB
300	225	150	115	100	80	30	SMB/DO-214AA	TSP220SB
300	225	150	115	100	80	30	SMB/DO-214AA	TSP275SB
300	225	150	115	100	80	30	SMB/DO-214AA	TSP320SB



DO-15

SMB/DO-214AA

# Thyristor Surge Protection Device C series

Part Number	Rated Off-State Voltage	Repetitive Peak Breakover Voltage	On-State Voltage	Repetitive Peak Off-State Current	Breakover Current	Holding Current	Off-State Capacitance (f = 1 MHz, V <sub>ac</sub> = 15 mV <sub>rms</sub> )			
	max.	max.	max.	max.	max.	min.	typ.	max.	typ.	max.
	V <sub>DRM</sub>	V <sub>BO</sub> @ I <sub>BO</sub>	V <sub>T</sub> @ 1A	I <sub>DRM</sub>	I <sub>BO</sub>	I <sub>H</sub>	C <sub>O</sub> @ 0 V <sub>dc</sub>	C <sub>O</sub> @ 50 V <sub>dc</sub>		
	V	V	V	μA	mA	mA	pF	pF		
<b>100A 10/1000 μS THYRISTOR SURGE PROTECTION DEVICE --AXIAL LEAD TYPE</b>										
TSP058C	58	77	5	5	800	150	85	105	35	43
TSP065C	65	88	5	5	800	150	80	101	34	40
TSP075C	75	98	5	5	800	150	78	95	30	37
TSP090C	90	130	5	5	800	150	70	80	23	34
TSP120C	120	160	5	5	800	150	63	79	20	29
TSP140C	140	180	5	5	800	150	61	78	19	28
TSP160C	160	220	5	5	800	150	58	75	19	27
TSP190C	190	260	5	5	800	150	57	71	19	26
TSP220C	220	300	5	5	800	150	57	71	18	26
TSP275C	275	350	5	5	800	150	56	70	18	25
TSP320C	320	400	5	5	800	150	56	70	17	24
<b>100A 10/1000 μS THYRISTOR SURGE PROTECTION DEVICE --SURFACE MOUNT TYPE</b>										
TSP058SC	58	77	5	5	800	150	85	105	35	43
TSP065SC	65	88	5	5	800	150	80	101	34	40
TSP075SC	75	98	5	5	800	150	78	95	30	37
TSP090SC	90	130	5	5	800	150	70	80	23	34
TSP120SC	120	160	5	5	800	150	63	79	20	29
TSP140SC	140	180	5	5	800	150	61	78	19	28
TSP160SC	160	220	5	5	800	150	58	75	19	27
TSP190SC	190	260	5	5	800	150	57	71	19	26
TSP220SC	220	300	5	5	800	150	57	71	18	26
TSP275SC	275	350	5	5	800	150	56	70	18	25
TSP320SC	320	400	5	5	800	150	56	70	17	24

Non-Repetitive Peak Pulse Current						Non-Repetitive Peak On-State Surge Current	Package	Part Number
I <sub>PPS</sub>						max.		
2 / 10 µs	8 / 20 µs	10 / 160 µs	5 / 310 µs	10 / 560 µs	10 / 1000 µs	I <sub>TSM</sub>		
A						A		
<b>100A 10/1000 µs THYRISTOR SURGE PROTECTION DEVICE --AXIAL LEAD TYPE</b>								
(continued)								
500	350	200	150	125	100	60	DO-201AE	TSP058C
500	350	200	150	125	100	60	DO-201AE	TSP065C
500	350	200	150	125	100	60	DO-201AE	TSP075C
500	350	200	150	125	100	60	DO-201AE	TSP090C
500	350	200	150	125	100	60	DO-201AE	TSP120C
500	350	200	150	125	100	60	DO-201AE	TSP140C
500	350	200	150	125	100	60	DO-201AE	TSP160C
500	350	200	150	125	100	60	DO-201AE	TSP190C
500	350	200	150	125	100	60	DO-201AE	TSP220C
500	350	200	150	125	100	60	DO-201AE	TSP275C
500	350	200	150	125	100	60	DO-201AE	TSP320C
<b>100A 10/1000 µs THYRISTOR SURGE PROTECTION DEVICE --SURFACE MOUNT TYPE</b>								
(continued)								
500	350	200	150	125	100	60	SMB/DO-214AA	TSP058SC
500	350	200	150	125	100	60	SMB/DO-214AA	TSP065SC
500	350	200	150	125	100	60	SMB/DO-214AA	TSP075SC
500	350	200	150	125	100	60	SMB/DO-214AA	TSP090SC
500	350	200	150	125	100	60	SMB/DO-214AA	TSP120SC
500	350	200	150	125	100	60	SMB/DO-214AA	TSP140SC
500	350	200	150	125	100	60	SMB/DO-214AA	TSP160SC
500	350	200	150	125	100	60	SMB/DO-214AA	TSP190SC
500	350	200	150	125	100	60	SMB/DO-214AA	TSP220SC
500	350	200	150	125	100	60	SMB/DO-214AA	TSP275SC
500	350	200	150	125	100	60	SMB/DO-214AA	TSP320SC

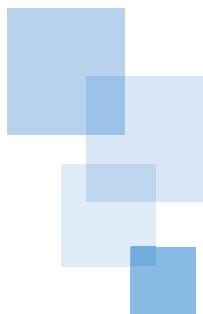


DO-201AE



SMB/DO-214AA





# Mosfet

## Product Series

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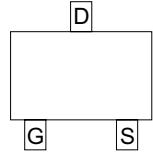
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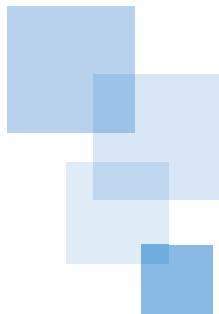
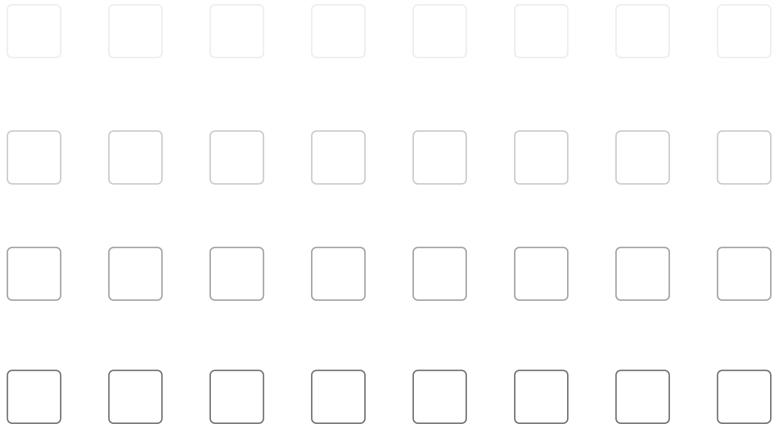
 NEW PRODUCT

Part Number	Drain-Source Voltage	Drain-Gate Voltage	Gate-Source Voltage	Drain Current	Static Drain-Source On-Resistance		Input Capacitance		Output Capacitance		Package	
	max.	max.	max.	max.	typ.	max.	typ.	max.	typ.	max.		
	V <sub>DSS</sub>	V <sub>DGR</sub>	V <sub>GSS</sub>	I <sub>DRM</sub>	R <sub>DS</sub>		C <sub>iss</sub>		C <sub>oss</sub>			
	V	V	V	mA	Ω		pF		pF			
2N7002	60	60	40	115	3.2	7.5	20	50	11	25	SOT-23	



SOT-23





# Switching Diodes

## **Product Series**

- 
- 200 mWatt Switching Diodes ..... Page 12
  - 350 mWatt Switching Diodes ..... Page 12
  - 410-500 mWatt Switching Diodes ..... Page 12

# Switching Diodes

Part Number	Peak Reverse Voltage	Reverse Recovery Time	Power Dissipation	Peak Forward Surge Current	Forward Voltage Drop		Reverse Breakdown Current		Package	Circuit Figure
	V <sub>RM</sub>	T <sub>RR</sub>	P <sub>TOT</sub>	I <sub>FSM</sub> @ T	V <sub>F</sub> @ I <sub>F</sub>		I <sub>R</sub> @ V <sub>R</sub>			
	V	ns	mW	A	S	V	A	μA	V	
<b>200 mWatts Switching Diodes</b>										
1N4148WS	100	4.0	200	2.0	1.0μ	1.0	0.05	2.5	75	SOD-323
1N4448WS	100	4.0	200	4.0	1.0μ	0.72/1.0	0.005/0.1	2.5	75	SOD-323
BAV16WS	100	6.0	200	2.0	1.0μ	0.855	0.01	1.0	75	SOD-323
BAV19WS	120	50	200	2.5	1.0μ	1.0	0.1	0.1	100	SOD-323
BAV20WS	200	50	200	2.5	1.0μ	1.0	0.1	0.1	150	SOD-323
BAV21WS	250	50	200	2.5	1.0μ	1.0	0.1	0.1	200	SOD-323
MMBD4148W	100	4.0	200	2.0	1.0μ	1.0	0.05	2.5	75	SOT-323
MMBD4448W	100	4.0	200	4.0	1.0μ	0.72 / 1.0	0.005/0.1	2.5	75	SOT-323
BAS16W	100	6.0	200	2.0	1.0μ	0.855	0.01	1.0	75	SOT-323
BAS19W	120	50	200	2.5	1.0μ	1.0	0.1	0.1	100	SOT-323
BAS20W	200	50	200	2.5	1.0μ	1.0	0.1	0.1	150	SOT-323
BAS21W	250	50	200	2.5	1.0μ	1.0	0.1	0.1	200	SOT-323
BAW56W	100	4.0	200	2.0	1.0μ	1.0	0.05	2.5	75	SOT-323
BAV70W	100	4.0	200	2.0	1.0μ	1.0	0.05	2.5	75	SOT-323
BAV99W	100	4.0	200	2.0	1.0μ	1.0	0.05	2.5	75	SOT-323
BAL99W	100	4.0	200	2.0	1.0μ	1.0	0.05	2.5	75	SOT-323
<b>350 mWatts Switching Diodes</b>										
MMBD4148	100	4.0	350	2.0	1.0μ	1.0	0.05	2.5	75	SOT-23
MMBD4448	100	4.0	350	4.0	1.0μ	0.72 / 1.0	0.005/0.1	2.5	75	SOT-23
BAS16	100	6.0	350	2.0	1.0μ	0.855	0.01	1.0	75	SOT-23
BAS19	120	50	350	2.5	1.0μ	1.0	0.1	0.1	100	SOT-23
BAS20	200	50	350	2.5	1.0μ	1.0	0.1	0.1	150	SOT-23
BAS21	250	50	350	2.5	1.0μ	1.0	0.1	0.1	200	SOT-23
BAW56	100	4.0	350	2.0	1.0μ	1.0	0.05	2.5	75	SOT-23
BAV70	100	4.0	350	2.0	1.0μ	1.0	0.05	2.5	75	SOT-23
BAV99	100	4.0	350	2.0	1.0μ	1.0	0.05	2.5	75	SOT-23
BAL99	100	4.0	350	2.0	1.0μ	1.0	0.05	2.5	75	SOT-23
BAV16W	100	6.0	350	2.0	1.0μ	0.855	0.01	1.00	75	SOD-123
<b>410 - 500 mWatts Switching Diodes</b>										
BAV19W	120	50	410	2.5	1.0m	1.0	0.1	0.10	100	SOD-123
BAV20W	200	50	410	2.5	1.0m	1.0	0.1	0.10	150	SOD-123
BAV21W	250	50	410	2.5	1.0m	1.0	0.1	0.10	200	SOD-123
1N4148W	100	4.0	410	2.0	1.0μ	1.0	0.05	2.5	75	SOD-123
1N4448W	100	4.0	500	4.0	1.0μ	0.72 / 1.0	0.005/0.1	2.5	75	SOD-123
1N4150W	50	4.0	410	0.5	1.0	1.0	0.2	0.10	50	SOD-123
1N4151W	75	2.0	500	0.5	1.0	1.0	0.01	0.05	50	SOD-123

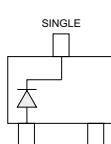


Figure 1

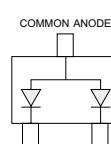


Figure 2

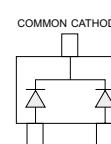


Figure 3

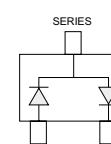


Figure 4

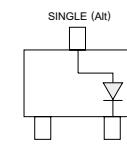


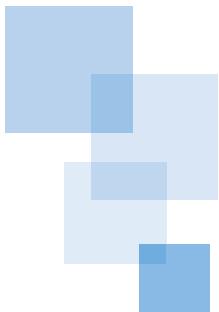
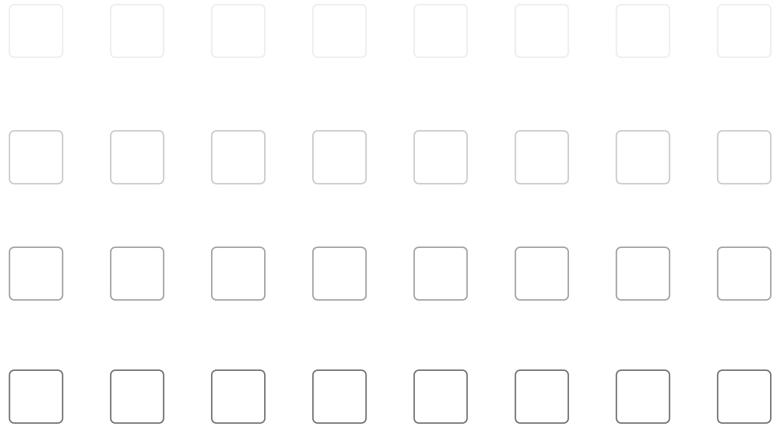
Figure 5

SOD-323

SOT-323

SOT-23

SOD-123



# General Purpose Rectifiers

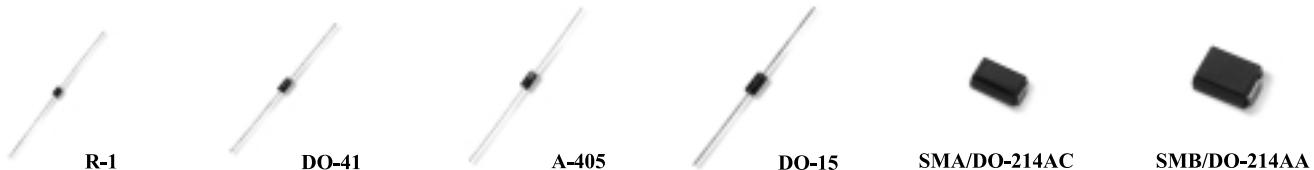
## Product Series

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- 1.0 Amp General Purpose Rectifiers ..... Page 14
- 1.5 Amp General Purpose Rectifiers ..... Page 15
- 2.0 Amp General Purpose Rectifiers ..... Page 16
- 3.0 Amp General Purpose Rectifiers ..... Page 17
- 6.0 Amp General Purpose Rectifiers ..... Page 17

# General Purpose Rectifiers

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)	Package	
	V <sub>RRM</sub>	I <sub>O</sub> @ T	°C	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>			
	V	A	°C	A	V	A	μA	V	
<b>1.0 AMP General Purpose Rectifiers (Plastic Passivation Junction)</b>									
GS1AW	50	1.0	50	30	1.1	1.0	5.0	50	SMA/DO-214AC
GS1BW	100	1.0	50	30	1.1	1.0	5.0	100	SMA/DO-214AC
GS1DW	200	1.0	50	30	1.1	1.0	5.0	200	SMA/DO-214AC
GS1GW	400	1.0	50	30	1.1	1.0	5.0	400	SMA/DO-214AC
GS1JW	600	1.0	50	30	1.1	1.0	5.0	600	SMA/DO-214AC
GS1KW	800	1.0	50	30	1.1	1.0	5.0	800	SMA/DO-214AC
GS1MW	1000	1.0	50	30	1.1	1.0	5.0	1000	SMA/DO-214AC
1A1	50	1.0	25	30	1.1	1.0	5.0	50	R-1
1A2	100	1.0	25	30	1.1	1.0	5.0	100	R-1
1A3	200	1.0	25	30	1.1	1.0	5.0	200	R-1
1A4	400	1.0	25	30	1.1	1.0	5.0	400	R-1
1A5	600	1.0	25	30	1.1	1.0	5.0	600	R-1
1A6	800	1.0	25	30	1.1	1.0	5.0	800	R-1
1A7	1000	1.0	25	30	1.1	1.0	5.0	1000	R-1
1N4001S	50	1.0	75	30	1.1	1.0	5.0	50	A-405
1N4002S	100	1.0	75	30	1.1	1.0	5.0	100	A-405
1N4003S	200	1.0	75	30	1.1	1.0	5.0	200	A-405
1N4004S	400	1.0	75	30	1.1	1.0	5.0	400	A-405
1N4005S	600	1.0	75	30	1.1	1.0	5.0	600	A-405
1N4006S	800	1.0	75	30	1.1	1.0	5.0	800	A-405
1N4007S	1000	1.0	75	30	1.1	1.0	5.0	1000	A-405
1N4001	50	1.0	75	30	1.1	1.0	5.0	50	DO-41
1N4002	100	1.0	75	30	1.1	1.0	5.0	100	DO-41
1N4003	200	1.0	75	30	1.1	1.0	5.0	200	DO-41
1N4004	400	1.0	75	30	1.1	1.0	5.0	400	DO-41
1N4005	600	1.0	75	30	1.1	1.0	5.0	600	DO-41
1N4006	800	1.0	75	30	1.1	1.0	5.0	800	DO-41
1N4007	1000	1.0	75	30	1.1	1.0	5.0	1000	DO-41
BY127M	1250	1.0	75	30	1.1	1.0	5.0	1250	DO-41
BY133	1300	1.0	75	30	1.1	1.0	5.0	1300	DO-41
EM513	1600	1.0	75	30	1.1	1.0	5.0	1600	DO-41
<b>1.0 AMP General Purpose Rectifiers (Glass Passivation Junction)</b>									
1A1G	50	1.0	75	30	1.1	1.0	5.0	50	R-1
1A2G	100	1.0	75	30	1.1	1.0	5.0	100	R-1
1A3G	200	1.0	75	30	1.1	1.0	5.0	200	R-1
1A4G	400	1.0	75	30	1.1	1.0	5.0	400	R-1
1A5G	600	1.0	75	30	1.1	1.0	5.0	600	R-1
1A6G	800	1.0	75	30	1.1	1.0	5.0	800	R-1
1A7G	1000	1.0	75	30	1.1	1.0	5.0	1000	R-1



R-1

DO-41

A-405

DO-15

SMA/DO-214AC

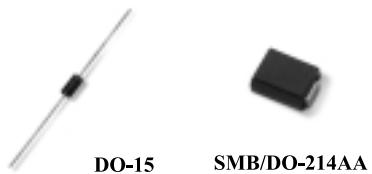
SMB/DO-214AA

## General Purpose Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)	Package	
	V <sub>RRM</sub>	I <sub>O</sub> @ T	°C	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>			
	V	A	°C	A	V	A	μA	V	
<b>1.0 AMP General Purpose Rectifiers (Glass Passivation Junction) --continued</b>									
PG4001	50	1.0	75	30	1.1	1.0	5.0	50	DO-41
PG4002	100	1.0	75	30	1.1	1.0	5.0	100	DO-41
PG4003	200	1.0	75	30	1.1	1.0	5.0	200	DO-41
PG4004	400	1.0	75	30	1.1	1.0	5.0	400	DO-41
PG4005	600	1.0	75	30	1.1	1.0	5.0	600	DO-41
PG4006	800	1.0	75	30	1.1	1.0	5.0	800	DO-41
PG4007	1000	1.0	75	30	1.1	1.0	5.0	1000	DO-41
PG4001S	50	1.0	75	30	1.1	1.0	5.0	50	A-405
PG4002S	100	1.0	75	30	1.1	1.0	5.0	100	A-405
PG4003S	200	1.0	75	30	1.1	1.0	5.0	200	A-405
PG4004S	400	1.0	75	30	1.1	1.0	5.0	400	A-405
PG4005S	600	1.0	75	30	1.1	1.0	5.0	600	A-405
PG4006S	800	1.0	75	30	1.1	1.0	5.0	800	A-405
PG4007S	1000	1.0	75	30	1.1	1.0	5.0	1000	A-405
GS1A	50	1.0	100	30	1.1	1.0	5.0	50	SMA/DO-214AC
GS1B	100	1.0	100	30	1.1	1.0	5.0	100	SMA/DO-214AC
GS1D	200	1.0	100	30	1.1	1.0	5.0	200	SMA/DO-214AC
GS1G	400	1.0	100	30	1.1	1.0	5.0	400	SMA/DO-214AC
GS1J	600	1.0	100	30	1.1	1.0	5.0	600	SMA/DO-214AC
GS1K	800	1.0	100	30	1.1	1.0	5.0	800	SMA/DO-214AC
GS1M	1000	1.0	100	30	1.1	1.0	5.0	1000	SMA/DO-214AC
S1A	50	1.0	100	30	1.1	1.0	5.0	50	SMB/DO-214AA
S1B	100	1.0	100	30	1.1	1.0	5.0	100	SMB/DO-214AA
S1D	200	1.0	100	30	1.1	1.0	5.0	200	SMB/DO-214AA
S1G	400	1.0	100	30	1.1	1.0	5.0	400	SMB/DO-214AA
S1J	600	1.0	100	30	1.1	1.0	5.0	600	SMB/DO-214AA
S1K	800	1.0	100	30	1.1	1.0	5.0	800	SMB/DO-214AA
S1M	1000	1.0	100	30	1.1	1.0	5.0	1000	SMB/DO-214AA
<b>1.5 AMP General Purpose Rectifiers (Plastic Passivation Junction)</b>									
1N5391	50	1.5	60	50	1.4	1.5	5.0	50	DO-15
1N5392	100	1.5	60	50	1.4	1.5	5.0	100	DO-15
1N5393	200	1.5	60	50	1.4	1.5	5.0	200	DO-15
1N5394	300	1.5	60	50	1.4	1.5	5.0	300	DO-15
1N5395	400	1.5	60	50	1.4	1.5	5.0	400	DO-15
1N5396	500	1.5	60	50	1.4	1.5	5.0	500	DO-15
1N5397	600	1.5	60	50	1.4	1.5	5.0	600	DO-15
1N5398	800	1.5	60	50	1.4	1.5	5.0	800	DO-15
1N5399	1000	1.5	60	50	1.4	1.5	5.0	1000	DO-15
PS150	50	1.5	60	50	1.1	1.5	5.0	50	DO-15
PS151	100	1.5	60	50	1.1	1.5	5.0	100	DO-15
PS152	200	1.5	60	50	1.1	1.5	5.0	200	DO-15
PS154	400	1.5	60	50	1.1	1.5	5.0	400	DO-15
PS156	600	1.5	60	50	1.1	1.5	5.0	600	DO-15
PS158	800	1.5	60	50	1.1	1.5	5.0	800	DO-15
PS1510	1000	1.5	60	50	1.1	1.5	5.0	1000	DO-15

## General Purpose Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (t)		Max. Peak Forward Surge Current (t)	Forward Voltage Drop		Max. Reverse Current (t)	Package	
	V <sub>RRM</sub>	I <sub>O</sub> @ T	°C	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>			
	V	A	°C	A	V	A	μA	V	
<b>1.5 AMP General Purpose Rectifiers (Glass Passivation Junction)</b>									
PG5391	50	1.5	55	50	1.4	1.5	5.0	50	DO-15
PG5392	100	1.5	55	50	1.4	1.5	5.0	100	DO-15
PG5393	200	1.5	55	50	1.4	1.5	5.0	200	DO-15
PG5394	300	1.5	55	50	1.4	1.5	5.0	300	DO-15
PG5395	400	1.5	55	50	1.4	1.5	5.0	400	DO-15
PG5396	500	1.5	55	50	1.4	1.5	5.0	500	DO-15
PG5397	600	1.5	55	50	1.4	1.5	5.0	600	DO-15
PG5398	800	1.5	55	50	1.4	1.5	5.0	800	DO-15
PG5399	1000	1.5	55	50	1.4	1.5	5.0	1000	DO-15
PG150	50	1.5	55	50	1.1	1.5	5.0	50	DO-15
PG151	100	1.5	55	50	1.1	1.5	5.0	100	DO-15
PG152	200	1.5	55	50	1.1	1.5	5.0	200	DO-15
PG154	400	1.5	55	50	1.1	1.5	5.0	400	DO-15
PG156	600	1.5	55	50	1.1	1.5	5.0	600	DO-15
PG158	800	1.5	55	50	1.1	1.5	5.0	800	DO-15
PG1510	1000	1.5	55	50	1.1	1.5	5.0	1000	DO-15
<b>2.0 AMP General Purpose Rectifiers (Plastic Passivation Junction)</b>									
PS200	50	2.0	60	70	1.1	2.0	5.0	50	DO-15
PS201	100	2.0	60	70	1.1	2.0	5.0	100	DO-15
PS202	200	2.0	60	70	1.1	2.0	5.0	200	DO-15
PS204	400	2.0	60	70	1.1	2.0	5.0	400	DO-15
PS206	600	2.0	60	70	1.1	2.0	5.0	600	DO-15
PS208	800	2.0	60	70	1.1	2.0	5.0	800	DO-15
PS2010	1000	2.0	60	70	1.1	2.0	5.0	1000	DO-15
<b>2.0 AMP General Purpose Rectifiers (Glass Passivation Junction)</b>									
PG200	50	2.0	55	70	1.1	2.0	5.0	50	DO-15
PG201	100	2.0	55	70	1.1	2.0	5.0	100	DO-15
PG202	200	2.0	55	70	1.1	2.0	5.0	200	DO-15
PG204	400	2.0	55	70	1.1	2.0	5.0	400	DO-15
PG206	600	2.0	55	70	1.1	2.0	5.0	600	DO-15
PG208	800	2.0	55	70	1.1	2.0	5.0	800	DO-15
PG2010	1000	2.0	55	70	1.1	2.0	5.0	1000	DO-15
S2A	50	2.0	110	60	1.1	2.0	5.0	50	SMB/DO-214AA
S2B	100	2.0	110	60	1.1	2.0	5.0	100	SMB/DO-214AA
S2D	200	2.0	110	60	1.1	2.0	5.0	200	SMB/DO-214AA
S2G	400	2.0	110	60	1.1	2.0	5.0	400	SMB/DO-214AA
S2J	600	2.0	110	60	1.1	2.0	5.0	600	SMB/DO-214AA
S2K	800	2.0	110	60	1.1	2.0	5.0	800	SMB/DO-214AA
S2M	1000	2.0	110	60	1.1	2.0	5.0	1000	SMB/DO-214AA



DO-15

SMB/DO-214AA

## General Purpose Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (t)		Max. Peak Forward Surge Current (t)	Forward Voltage Drop		Max. Reverse Current (t)	Package	
	V <sub>RRM</sub>	I <sub>O</sub> @ T	°C	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	A	I <sub>R</sub> @ V <sub>R</sub>		
	V	A	°C	A	V	A	μA	V	
<b>3.0 AMP General Purpose Rectifiers (Plastic Passivation Junction)</b>									
1N5400	50	3.0	55	200	1.2	3.0	5.0	50	DO-201AD
1N5401	100	3.0	55	200	1.2	3.0	5.0	100	DO-201AD
1N5402	200	3.0	55	200	1.2	3.0	5.0	200	DO-201AD
1N5403	300	3.0	55	200	1.2	3.0	5.0	300	DO-201AD
1N5404	400	3.0	55	200	1.2	3.0	5.0	400	DO-201AD
1N5405	500	3.0	55	200	1.2	3.0	5.0	500	DO-201AD
1N5406	600	3.0	55	200	1.2	3.0	5.0	600	DO-201AD
1N5407	800	3.0	55	200	1.2	3.0	5.0	800	DO-201AD
1N5408	1000	3.0	55	200	1.2	3.0	5.0	1000	DO-201AD
BY251	200	3.0	95	100	1.1	3.0	5.0	200	DO-201AD
BY252	400	3.0	95	100	1.1	3.0	5.0	400	DO-201AD
BY253	600	3.0	95	100	1.1	3.0	5.0	600	DO-201AD
BY254	800	3.0	95	100	1.1	3.0	5.0	800	DO-201AD
BY255	1300	3.0	95	100	1.1	3.0	5.0	1300	DO-201AD
<b>3.0 AMP General Purpose Rectifiers (Glass Passivation Junction)</b>									
PG5400	50	3.0	55	150	1.2	3.0	5.0	50	DO-201AD
PG5401	100	3.0	55	150	1.2	3.0	5.0	100	DO-201AD
PG5402	200	3.0	55	150	1.2	3.0	5.0	200	DO-201AD
PG5403	300	3.0	55	150	1.2	3.0	5.0	300	DO-201AD
PG5404	400	3.0	55	150	1.2	3.0	5.0	400	DO-201AD
PG5405	500	3.0	55	150	1.2	3.0	5.0	500	DO-201AD
PG5406	600	3.0	55	150	1.2	3.0	5.0	600	DO-201AD
PG5407	800	3.0	55	150	1.2	3.0	5.0	800	DO-201AD
PG5408	1000	3.0	55	150	1.2	3.0	5.0	1000	DO-201AD
S3A	50	3.0	75	100	1.2	3.0	5.0	50	SMC/DO-214AB
S3B	100	3.0	75	100	1.2	3.0	5.0	100	SMC/DO-214AB
S3D	200	3.0	75	100	1.2	3.0	5.0	200	SMC/DO-214AB
S3G	400	3.0	75	100	1.2	3.0	5.0	400	SMC/DO-214AB
S3J	600	3.0	75	100	1.2	3.0	5.0	600	SMC/DO-214AB
S3K	800	3.0	75	100	1.2	3.0	5.0	800	SMC/DO-214AB
S3M	1000	3.0	75	100	1.2	3.0	5.0	1000	SMC/DO-214AB
<b>6.0 AMP General Purpose Rectifiers (Plastic Passivation Junction)</b>									
P600A	50	6.0	55	400	1.0	6.0	10.0	50	P-600
P600B	100	6.0	55	400	1.0	6.0	10.0	100	P-600
P600D	200	6.0	55	400	1.0	6.0	10.0	200	P-600
P600G	400	6.0	55	400	1.0	6.0	10.0	400	P-600
P600J	600	6.0	55	400	1.0	6.0	10.0	600	P-600
P600K	800	6.0	55	400	1.0	6.0	10.0	800	P-600
P600M	1000	6.0	55	400	1.0	6.0	10.0	1000	P-600



P-600

DO-201AD

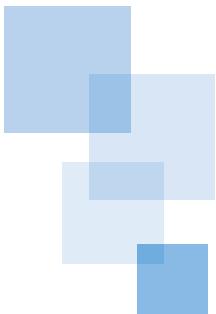
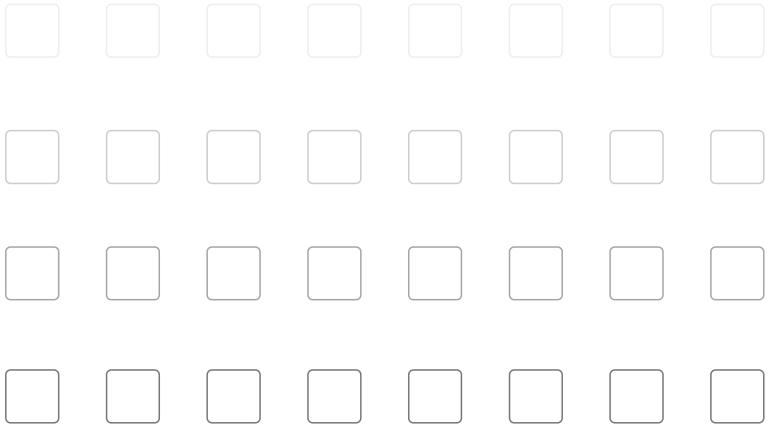
SMC/DO-214AB

## General Purpose Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (t)		Max. Peak Forward Surge Current (t)	Forward Voltage Drop		Max. Reverse Current (t)	Package	
	V <sub>RRM</sub>	I <sub>O</sub> @ T	°C	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	A	I <sub>R</sub> @ V <sub>R</sub>		
	V	A	°C	A	V	A	μA	V	
<b>6.0 AMP General Purpose Rectifiers (Glass Passivation Junction)</b>									
PG600A	50	6.0	75	300	1.0	6.0	10.0	50	P-600
PG600B	100	6.0	75	300	1.0	6.0	10.0	100	P-600
PG600D	200	6.0	75	300	1.0	6.0	10.0	200	P-600
PG600G	400	6.0	75	300	1.0	6.0	10.0	400	P-600
PG600J	600	6.0	75	300	1.0	6.0	10.0	600	P-600
PG600K	800	6.0	75	300	1.0	6.0	10.0	800	P-600
PG600M	1000	6.0	75	300	1.0	6.0	10.0	1000	P-600



P-600



# Fast Recovery Rectifiers

## Product Series

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- 3.0 Amp Fast Recovery Rectifiers ..... Page 22
- 6.0 Amp Fast Recovery Rectifiers ..... Page 23

# Fast Recovery Rectifiers

Part Number	Peak Repetitive Reverse Voltage	Reverse Recovery Time	Max. Average Rectified Current (t)		Max. Peak Forward Surge Current (t)	Forward Voltage Drop		Max. Reverse Current (t)	Package	
	V <sub>RRM</sub>	T <sub>RR</sub>	I <sub>O</sub> @ T		I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>			
	V	ns	A	°C	A	V	μA	V		
<b>1.0 AMP Fast Recovery Rectifiers (Plastic Passivation Junction)</b>										
1F1	50	150	1.0	55	30	1.3	1.0	5.0	50	R-1
1F2	100	150	1.0	55	30	1.3	1.0	5.0	100	R-1
1F3	200	150	1.0	55	30	1.3	1.0	5.0	200	R-1
1F4	400	150	1.0	55	30	1.3	1.0	5.0	400	R-1
1F5	600	250	1.0	55	30	1.3	1.0	5.0	600	R-1
1F6	800	500	1.0	55	30	1.3	1.0	5.0	800	R-1
1F7	1000	500	1.0	55	30	1.3	1.0	5.0	1000	R-1
PS100RS	50	150	1.0	55	30	1.3	1.0	5.0	50	A-405
PS101RS	100	150	1.0	55	30	1.3	1.0	5.0	100	A-405
PS102RS	200	150	1.0	55	30	1.3	1.0	5.0	200	A-405
PS104RS	400	150	1.0	55	30	1.3	1.0	5.0	400	A-405
PS106RS	600	250	1.0	55	30	1.3	1.0	5.0	600	A-405
PS108RS	800	500	1.0	55	30	1.3	1.0	5.0	800	A-405
PS1010RS	1000	500	1.0	55	30	1.3	1.0	5.0	1000	A-405
PS100R	50	150	1.0	55	30	1.3	1.0	5.0	50	DO-41
PS101R	100	150	1.0	55	30	1.3	1.0	5.0	100	DO-41
PS102R	200	150	1.0	55	30	1.3	1.0	5.0	200	DO-41
PS104R	400	150	1.0	55	30	1.3	1.0	5.0	400	DO-41
PS106R	600	250	1.0	55	30	1.3	1.0	5.0	600	DO-41
PS108R	800	500	1.0	55	30	1.3	1.0	5.0	800	DO-41
PS1010R	1000	500	1.0	55	30	1.3	1.0	5.0	1000	DO-41
1N4933	50	200	1.0	55	30	1.2	1.0	5.0	50	DO-41
1N4934	100	200	1.0	55	30	1.2	1.0	5.0	100	DO-41
1N4935	200	200	1.0	55	30	1.2	1.0	5.0	200	DO-41
1N4936	400	200	1.0	55	30	1.2	1.0	5.0	400	DO-41
1N4937	600	200	1.0	55	30	1.2	1.0	5.0	600	DO-41
1N4942	200	150	1.0	55	30	1.3	1.0	5.0	200	DO-41
1N4944	400	150	1.0	55	30	1.3	1.0	5.0	400	DO-41
1N4946	600	250	1.0	55	30	1.3	1.0	5.0	600	DO-41
1N4947	800	250	1.0	55	30	1.3	1.0	5.0	800	DO-41
1N4948	1000	500	1.0	55	30	1.3	1.0	5.0	1000	DO-41
BA157	400	150	1.0	55	30	1.3	1.0	5.0	400	DO-41
BA158	600	150	1.0	55	30	1.3	1.0	5.0	600	DO-41
BA159	1000	250	1.0	55	30	1.3	1.0	5.0	1000	DO-41
<b>1.0 AMP Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
1F1G	50	150	1.0	55	30	1.3	1.0	5.0	50	R-1
1F2G	100	150	1.0	55	30	1.3	1.0	5.0	100	R-1
1F3G	200	150	1.0	55	30	1.3	1.0	5.0	200	R-1
1F4G	400	150	1.0	55	30	1.3	1.0	5.0	400	R-1
1F5G	600	250	1.0	55	30	1.3	1.0	5.0	600	R-1
1F6G	800	500	1.0	55	30	1.3	1.0	5.0	800	R-1
1F7G	1000	500	1.0	55	30	1.3	1.0	5.0	1000	R-1



## Fast Recovery Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Reverse Recovery Time	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package
	V <sub>RRM</sub>	T <sub>RR</sub>	I <sub>O</sub> @ T		I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>		I <sub>R</sub> @ V <sub>R</sub>		
	V	ns	A	°C	A	V	A	μA	V	
<b>1.0 AMP Fast Recovery Rectifiers (Glass Passivation Junction) -- continued</b>										
PG100RS	50	150	1.0	55	30	1.3	1.0	5.0	50	A-405
PG101RS	100	150	1.0	55	30	1.3	1.0	5.0	100	A-405
PG102RS	200	150	1.0	55	30	1.3	1.0	5.0	200	A-405
PG104RS	400	150	1.0	55	30	1.3	1.0	5.0	400	A-405
PG106RS	600	250	1.0	55	30	1.3	1.0	5.0	600	A-405
PG108RS	800	500	1.0	55	30	1.3	1.0	5.0	800	A-405
PG100R	50	150	1.0	55	30	1.3	1.0	5.0	50	DO-41
PG101R	100	150	1.0	55	30	1.3	1.0	5.0	100	DO-41
PG102R	200	150	1.0	55	30	1.3	1.0	5.0	200	DO-41
PG104R	400	150	1.0	55	30	1.3	1.0	5.0	400	DO-41
PG106R	600	250	1.0	55	30	1.3	1.0	5.0	600	DO-41
PG108R	800	500	1.0	55	30	1.3	1.0	5.0	800	DO-41
PG4933	50	200	1.0	55	30	1.2	1.0	5.0	50	DO-41
PG4934	100	200	1.0	55	30	1.2	1.0	5.0	100	DO-41
PG4935	200	200	1.0	55	30	1.2	1.0	5.0	200	DO-41
PG4936	400	200	1.0	55	30	1.2	1.0	5.0	400	DO-41
PG4937	600	200	1.0	55	30	1.2	1.0	5.0	600	DO-41
PG4942	200	150	1.0	55	30	1.3	1.0	5.0	200	DO-41
PG4944	400	150	1.0	55	30	1.3	1.0	5.0	400	DO-41
PG4946	600	250	1.0	55	30	1.3	1.0	5.0	600	DO-41
PG4947	800	500	1.0	55	30	1.3	1.0	5.0	800	DO-41
RS1A	50	150	1.0	90	30	1.3	1.0	5.0	50	SMA/DO-214AC
RS1B	100	150	1.0	90	30	1.3	1.0	5.0	100	SMA/DO-214AC
RS1D	200	150	1.0	90	30	1.3	1.0	5.0	200	SMA/DO-214AC
RS1G	400	150	1.0	90	30	1.3	1.0	5.0	400	SMA/DO-214AC
RS1J	600	250	1.0	90	30	1.3	1.0	5.0	600	SMA/DO-214AC
RS1K	800	500	1.0	90	30	1.3	1.0	5.0	800	SMA/DO-214AC
FR1A	50	150	1.0	90	30	1.3	1.0	5.0	50	SMB/DO-214AA
FR1B	100	150	1.0	90	30	1.3	1.0	5.0	100	SMB/DO-214AA
FR1D	200	150	1.0	90	30	1.3	1.0	5.0	200	SMB/DO-214AA
FR1G	400	150	1.0	90	30	1.3	1.0	5.0	400	SMB/DO-214AA
FR1J	600	250	1.0	90	30	1.3	1.0	5.0	600	SMB/DO-214AA
FR1K	800	500	1.0	90	30	1.3	1.0	5.0	800	SMB/DO-214AA
<b>1.5 AMP Fast Recovery Rectifiers (Plastic Passivation Junction)</b>										
PS150R	50	150	1.5	55	50	1.3	1.5	5.0	50	DO-15
PS151R	100	150	1.5	55	50	1.3	1.5	5.0	100	DO-15
PS152R	200	150	1.5	55	50	1.3	1.5	5.0	200	DO-15
PS154R	400	150	1.5	55	50	1.3	1.5	5.0	400	DO-15
PS156R	600	250	1.5	55	50	1.3	1.5	5.0	600	DO-15
PS158R	800	500	1.5	55	50	1.3	1.5	5.0	800	DO-15
PS1510R	1000	500	1.5	55	50	1.3	1.5	5.0	1000	DO-15



DO-41



A-405



DO-15



SMA/DO-214AC



SMB/DO-214AA

## Fast Recovery Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Reverse Recovery Time	Max. Average Rectified Current (t)		Max. Peak Forward Surge Current (t)	Forward Voltage Drop		Max. Reverse Current (t)		Package
	V <sub>RRM</sub>	T <sub>RR</sub>	I <sub>O</sub> @ T		I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>		I <sub>R</sub> @ V <sub>R</sub>		
	V	ns	A	°C	A	V	A	μA	V	
<b>1.5 AMP Fast Recovery Rectifiers (Glass Passivation Junction) --continued</b>										
PG150R	50	150	1.5	55	50	1.3	1.5	5.0	50	DO-15
PG151R	100	150	1.5	55	50	1.3	1.5	5.0	100	DO-15
PG152R	200	150	1.5	55	50	1.3	1.5	5.0	200	DO-15
PG154R	400	150	1.5	55	50	1.3	1.5	5.0	400	DO-15
PG156R	600	250	1.5	55	50	1.3	1.5	5.0	600	DO-15
PG158R	800	500	1.5	55	50	1.3	1.5	5.0	800	DO-15
PG1510R	1000	500	1.5	55	50	1.3	1.5	5.0	1000	DO-15
<b>2.0 AMP Fast Recovery Rectifiers (Plastic Passivation Junction)</b>										
PS200R	50	150	2.0	55	70	1.3	2.0	5.0	50	DO-15
PS201R	100	150	2.0	55	70	1.3	2.0	5.0	100	DO-15
PS202R	200	150	2.0	55	70	1.3	2.0	5.0	200	DO-15
PS204R	400	150	2.0	55	70	1.3	2.0	5.0	400	DO-15
PS206R	600	250	2.0	55	70	1.3	2.0	5.0	600	DO-15
PS208R	800	500	2.0	55	70	1.3	2.0	5.0	800	DO-15
PS2010R	1000	500	2.0	55	70	1.3	2.0	5.0	1000	DO-15
BY296	100	150	2.0	55	70	1.3	2.0	10.0	100	DO-201AD
BY297	200	150	2.0	55	70	1.3	2.0	10.0	200	DO-201AD
BY298	400	150	2.0	55	70	1.3	2.0	10.0	400	DO-201AD
BY299	800	150	2.0	55	70	1.3	2.0	10.0	800	DO-201AD
<b>2.0 AMP Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
PG200R	50	150	2.0	55	70	1.3	2.0	5.0	50	DO-15
PG201R	100	150	2.0	55	70	1.3	2.0	5.0	100	DO-15
PG202R	200	150	2.0	55	70	1.3	2.0	5.0	200	DO-15
PG204R	400	150	2.0	55	70	1.3	2.0	5.0	400	DO-15
PG206R	600	250	2.0	55	70	1.3	2.0	5.0	600	DO-15
PG208R	800	500	2.0	55	70	1.3	2.0	5.0	800	DO-15
PG2010R	1000	500	2.0	55	70	1.3	2.0	5.0	1000	DO-15
FR2A	50	150	2.0	90	50	1.3	2.0	5.0	50	SMB/DO-214AA
FR2B	100	150	2.0	90	50	1.3	2.0	5.0	100	SMB/DO-214AA
FR2D	200	150	2.0	90	50	1.3	2.0	5.0	200	SMB/DO-214AA
FR2G	400	150	2.0	90	50	1.3	2.0	5.0	400	SMB/DO-214AA
FR2J	600	250	2.0	90	50	1.3	2.0	5.0	600	SMB/DO-214AA
FR2K	800	500	2.0	90	50	1.3	2.0	5.0	800	SMB/DO-214AA
<b>3.0 AMP Fast Recovery Rectifiers (Plastic Passivation Junction)</b>										
PS300R	50	150	3.0	55	200	1.3	3.0	5.0	50	DO-201AD
PS301R	100	150	3.0	55	200	1.3	3.0	5.0	100	DO-201AD
PS302R	200	150	3.0	55	200	1.3	3.0	5.0	200	DO-201AD
PS304R	400	150	3.0	55	200	1.3	3.0	5.0	400	DO-201AD
PS306R	600	250	3.0	55	200	1.3	3.0	5.0	600	DO-201AD
PS308R	800	500	3.0	55	200	1.3	3.0	5.0	800	DO-201AD
PS3010R	1000	500	3.0	55	200	1.3	3.0	5.0	1000	DO-201AD



DO-15



DO-201AD



SMB/DO-214AA

## Fast Recovery Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Reverse Recovery Time	Max. Average Rectified Current (t)		Max. Peak Forward Surge Current (t)	Forward Voltage Drop		Max. Reverse Current (t)	Package	
	V <sub>RRM</sub>	T <sub>RR</sub>	I <sub>O</sub> @ T	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>				
	V	ns	A	°C	A	V	μA	V		
<b>3.0 AMP Fast Recovery Rectifiers (Plastic Passivation Junction) --continued</b>										
BY396	100	150	3.0	50	100	1.3	3.0	10.0	100	DO-201AD
BY397	200	150	3.0	50	100	1.3	3.0	10.0	200	DO-201AD
BY398	400	150	3.0	50	100	1.3	3.0	10.0	400	DO-201AD
BY399	800	150	3.0	50	100	1.3	3.0	10.0	800	DO-201AD
MR850	50	150	3.0	50	100	1.25	3.0	10.0	50	DO-201AD
MR851	100	150	3.0	50	100	1.25	3.0	10.0	100	DO-201AD
MR852	200	150	3.0	50	100	1.25	3.0	10.0	200	DO-201AD
MR854	400	150	3.0	50	100	1.25	3.0	10.0	400	DO-201AD
MR856	600	150	3.0	50	100	1.25	3.0	10.0	600	DO-201AD
<b>3.0 AMP Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
PG300R	50	150	3.0	55	125	1.3	3.0	5.0	50	DO-201AD
PG301R	100	150	3.0	55	125	1.3	3.0	5.0	100	DO-201AD
PG302R	200	150	3.0	55	125	1.3	3.0	5.0	200	DO-201AD
PG304R	400	150	3.0	55	125	1.3	3.0	5.0	500	DO-201AD
PG306R	600	250	3.0	55	125	1.3	3.0	5.0	600	DO-201AD
PG308R	800	500	3.0	55	125	1.3	3.0	5.0	800	DO-201AD
FR3A	50	150	3.0	75	100	1.3	3.0	10.0	50	SMC/DO-214AB
FR3B	100	150	3.0	75	100	1.3	3.0	10.0	100	SMC/DO-214AB
FR3D	200	150	3.0	75	100	1.3	3.0	10.0	200	SMC/DO-214AB
FR3G	400	150	3.0	75	100	1.3	3.0	10.0	500	SMC/DO-214AB
FR3J	600	250	3.0	75	100	1.3	3.0	10.0	600	SMC/DO-214AB
FR3K	800	500	3.0	75	100	1.3	3.0	10.0	800	SMC/DO-214AB
<b>6.0 AMP Fast Recovery Rectifiers (Plastic Passivation Junction)</b>										
PS600R	50	150	6.0	55	300	1.3	6.0	10.0	50	P-600
PS601R	100	150	6.0	55	300	1.3	6.0	10.0	100	P-600
PS602R	200	150	6.0	55	300	1.3	6.0	10.0	200	P-600
PS604R	400	250	6.0	55	300	1.3	6.0	10.0	400	P-600
PS606R	600	500	6.0	55	300	1.3	6.0	10.0	600	P-600
PS608R	800	500	6.0	55	300	1.3	6.0	10.0	800	P-600
<b>6.0 AMP Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
PG600R	50	150	6.0	60	250	1.3	6.0	5.0	50	P-600
PG601R	100	150	6.0	60	250	1.3	6.0	5.0	100	P-600
PG602R	200	150	6.0	60	250	1.3	6.0	5.0	200	P-600
PG604R	400	150	6.0	60	250	1.3	6.0	5.0	400	P-600
PG606R	600	250	6.0	60	250	1.3	6.0	5.0	600	P-600
PG608R	800	500	6.0	60	250	1.3	6.0	5.0	800	P-600



DO-201AD



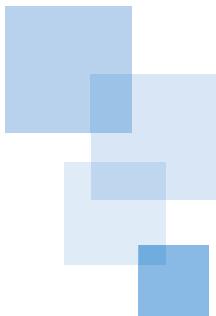
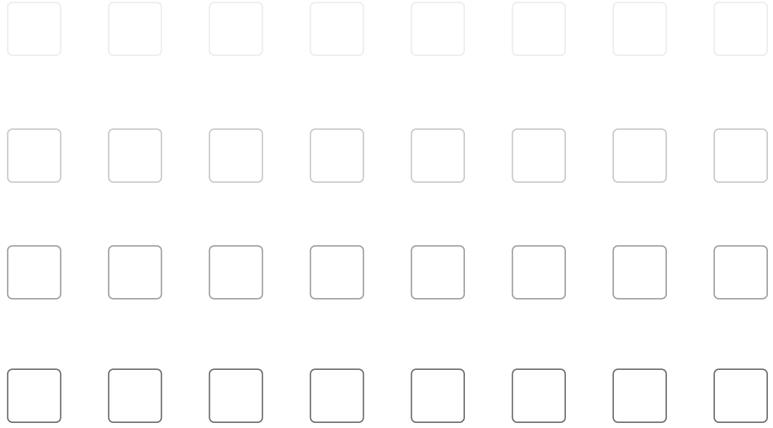
P-600



SMC/DO-214AB

FAST

FAST RECOVERY RECTIFIERS



# UltraFast Recovery Rectifiers

## Product Series

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# UltraFast Recovery Rectifiers

Part Number	Peak Repetitive Reverse Voltage	Reverse Recovery Time	Max. Average Rectified Current (t)		Max. Peak Forward Surge Current (t)	Forward Voltage Drop		Max. Reverse Current (t)	Package
	V <sub>RRM</sub>	T <sub>RR</sub>	I <sub>O</sub> @ T		I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>		
	V	ns	A	°C	A	V	μA	V	
<b>1.0 AMP Ultra Fast Recovery Rectifiers (Plastic Passivation Junction)</b>									
1U1	50	50	1.0	55	30	1.0	1.0	10.0	50
1U2	100	50	1.0	55	30	1.0	1.0	10.0	100
1U3	200	50	1.0	55	30	1.0	1.0	10.0	200
1U4	400	50	1.0	55	30	1.1	1.0	10.0	400
1U5	600	75	1.0	55	30	1.7	1.0	10.0	600
1U6	800	75	1.0	55	30	1.7	1.0	10.0	800
1U7	1000	75	1.0	55	30	1.7	1.0	10.0	1000
UF100S	50	50	1.0	55	30	1.0	1.0	5.0	A-405
UF101S	100	50	1.0	55	30	1.0	1.0	5.0	100
UF102S	200	50	1.0	55	30	1.0	1.0	5.0	200
UF104S	400	50	1.0	55	30	1.1	1.0	5.0	400
UF106S	600	75	1.0	55	30	1.7	1.0	5.0	600
UF108S	800	75	1.0	55	30	1.7	1.0	5.0	800
UF1010S	1000	75	1.0	55	30	1.7	1.0	5.0	1000
UF100	50	50	1.0	55	30	1.0	1.0	10.0	50
UF101	100	50	1.0	55	30	1.0	1.0	10.0	100
UF102	200	50	1.0	55	30	1.0	1.0	10.0	200
UF104	400	50	1.0	55	30	1.1	1.0	10.0	400
UF106	600	75	1.0	55	30	1.7	1.0	10.0	600
UF108	800	75	1.0	55	30	1.7	1.0	10.0	800
UF1010	1000	75	1.0	55	30	1.7	1.0	10.0	1000
<b>1.0 AMP Ultra Fast Recovery Rectifiers (Glass Passivation Junction)</b>									
1U1G	50	50	1.0	55	30	1.0	1.0	10.0	50
1U2G	100	50	1.0	55	30	1.0	1.0	10.0	100
1U3G	200	50	1.0	55	30	1.0	1.0	10.0	200
1U4G	400	50	1.0	55	30	1.3	1.0	10.0	400
1U5G	600	100	1.0	55	30	1.7	1.0	10.0	600
1U6G	800	100	1.0	55	30	1.7	1.0	10.0	800
UF100GS	50	50	1.0	55	30	1.0	1.0	10.0	A-405
UF101GS	100	50	1.0	55	30	1.0	1.0	10.0	100
UF102GS	200	50	1.0	55	30	1.0	1.0	10.0	200
UF104GS	400	50	1.0	55	30	1.3	1.0	10.0	400
UF106GS	600	100	1.0	55	30	1.7	1.0	10.0	600
UF108GS	800	100	1.0	55	30	1.7	1.0	10.0	800
UF100G	50	50	1.0	55	30	1.0	1.0	10.0	50
UF101G	100	50	1.0	55	30	1.0	1.0	10.0	100
UF102G	200	50	1.0	55	30	1.0	1.0	10.0	200
UF104G	400	50	1.0	55	30	1.3	1.0	10.0	400
UF106G	600	100	1.0	55	30	1.7	1.0	10.0	600
UF108G	800	100	1.0	55	30	1.7	1.0	10.0	800



R-1



DO-41



A-405

## UltraFast Recovery Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Reverse Recovery Time	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package
	V <sub>RRM</sub>	T <sub>RR</sub>	I <sub>O</sub> @ T	°C	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>	μA	V	
	V	ns	A	°C	A	V	A	μA	V	
<b>1.0 AMP Ultra Fast Recovery Rectifiers (Glass Passivation Junction) --continued</b>										
US1A	50	50	1.0	100	30	1.0	1.0	10.0	50	SMA/DO-214AC
US1B	100	50	1.0	100	30	1.0	1.0	10.0	100	SMA/DO-214AC
US1D	200	50	1.0	100	30	1.0	1.0	10.0	200	SMA/DO-214AC
US1G	400	50	1.0	100	30	1.4	1.0	10.0	400	SMA/DO-214AC
US1J	600	100	1.0	100	30	1.7	1.0	10.0	600	SMA/DO-214AC
US1K	800	100	1.0	100	30	1.7	1.0	10.0	800	SMA/DO-214AC
UF1A	50	50	1.0	100	30	1.0	1.0	10.0	50	SMB/DO-214AA
UF1B	100	50	1.0	100	30	1.0	1.0	10.0	100	SMB/DO-214AA
UF1D	200	50	1.0	100	30	1.0	1.0	10.0	200	SMB/DO-214AA
UF1G	400	50	1.0	100	30	1.4	1.0	10.0	400	SMB/DO-214AA
UF1J	600	100	1.0	100	30	1.7	1.0	10.0	600	SMB/DO-214AA
UF1K	800	100	1.0	100	30	1.7	1.0	10.0	800	SMB/DO-214AA
<b>1.5 AMP Ultra Fast Recovery Rectifiers (Plastic Passivation Junction)</b>										
UF150	50	50	1.5	55	50	1.0	1.5	10.0	50	DO-15
UF151	100	50	1.5	55	50	1.0	1.5	10.0	100	DO-15
UF152	200	50	1.5	55	50	1.0	1.5	10.0	200	DO-15
UF154	400	50	1.5	55	50	1.1	1.5	10.0	400	DO-15
UF156	600	75	1.5	55	50	1.7	1.5	10.0	600	DO-15
UF158	800	75	1.5	55	50	1.7	1.5	10.0	800	DO-15
UF1510	1000	75	1.5	55	50	1.7	1.5	10.0	1000	DO-15
<b>1.5 AMP Ultra Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
UF150G	50	50	1.5	55	50	1.0	1.5	10.0	50	DO-15
UF151G	100	50	1.5	55	50	1.0	1.5	10.0	100	DO-15
UF152G	200	50	1.5	55	50	1.0	1.5	10.0	200	DO-15
UF154G	400	50	1.5	55	50	1.3	1.5	10.0	400	DO-15
UF156G	600	100	1.5	55	50	1.7	1.5	10.0	600	DO-15
UF158G	800	100	1.5	55	50	1.7	1.5	10.0	800	DO-15
<b>2.0 AMP Ultra Fast Recovery Rectifiers (Plastic Passivation Junction)</b>										
UF200	50	50	2.0	55	60	1.0	2.0	10.0	50	DO-15
UF201	100	50	2.0	55	60	1.0	2.0	10.0	100	DO-15
UF202	200	50	2.0	55	60	1.0	2.0	10.0	200	DO-15
UF204	400	50	2.0	55	60	1.1	2.0	10.0	400	DO-15
UF206	600	75	2.0	55	60	1.7	2.0	10.0	600	DO-15
UF208	800	75	2.0	55	60	1.7	2.0	10.0	800	DO-15
UF2010	1000	75	2.0	55	60	1.7	2.0	10.0	1000	DO-15



DO-15

SMA/DO-214AC

SMB/DO-214AA

## UltraFast Recovery Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Reverse Recovery Time	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)	Package
	V <sub>RRM</sub>	T <sub>RR</sub>	I <sub>O</sub> @ T		I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>		
	V	ns	A	°C	A	V	μA	V	
<b>2.0 AMP Ultra Fast Recovery Rectifiers (Glass Passivation Junction)</b>									
UF200G	50	50	2.0	55	60	1.0	2.0	10.0	50
UF201G	100	50	2.0	55	60	1.0	2.0	10.0	100
UF202G	200	50	2.0	55	60	1.0	2.0	10.0	200
UF204G	400	50	2.0	55	60	1.3	2.0	10.0	400
UF206G	600	100	2.0	55	60	1.7	2.0	10.0	600
UF208G	800	100	2.0	55	60	1.7	2.0	10.0	800
UF2A	50	50	2.0	90	50	1.0	2.0	10.0	SMB/DO-214AA
UF2B	100	50	2.0	90	50	1.0	2.0	10.0	SMB/DO-214AA
UF2D	200	50	2.0	90	50	1.0	2.0	10.0	SMB/DO-214AA
UF2G	400	50	2.0	90	50	1.4	2.0	10.0	400
UF2J	600	100	2.0	90	50	1.7	2.0	10.0	600
UF2K	800	100	2.0	90	50	1.7	2.0	10.0	SMB/DO-214AA
<b>3.0 AMP Ultra Fast Recovery Rectifiers (Plastic Passivation Junction)</b>									
UF300	50	50	3.0	55	150	1.0	3.0	10.0	50
UF301	100	50	3.0	55	150	1.0	3.0	10.0	100
UF302	200	50	3.0	55	150	1.0	3.0	10.0	200
UF304	400	50	3.0	55	150	1.1	3.0	10.0	400
UF306	600	75	3.0	55	150	1.7	3.0	10.0	600
UF308	800	75	3.0	55	150	1.7	3.0	10.0	800
UF3010	1000	75	3.0	55	150	1.7	3.0	10.0	1000
<b>3.0 AMP Ultra Fast Recovery Rectifiers (Glass Passivation Junction)</b>									
UF300G	50	50	3.0	55	150	1.0	3.0	10.0	50
UF301G	100	50	3.0	55	150	1.0	3.0	10.0	100
UF302G	200	50	3.0	55	150	1.0	3.0	10.0	200
UF304G	400	50	3.0	55	150	1.3	3.0	10.0	400
UF306G	600	100	3.0	55	150	1.7	3.0	10.0	600
UF308G	800	100	3.0	55	150	1.7	3.0	10.0	800
UF3A	50	50	3.0	75	100	1.0	3.0	10.0	50
UF3B	100	50	3.0	75	100	1.0	3.0	10.0	100
UF3D	200	50	3.0	75	100	1.0	3.0	10.0	200
UF3G	400	50	3.0	75	100	1.4	3.0	10.0	400
UF3J	600	100	3.0	75	100	1.7	3.0	10.0	600
UF3K	800	100	3.0	75	100	1.7	3.0	10.0	800
<b>6.0 AMP Ultra Fast Recovery Rectifiers (Plastic Passivation Junction)</b>									
UF600	50	50	6.0	55	300	1.0	6.0	10.0	50
UF601	100	50	6.0	55	300	1.0	6.0	10.0	100
UF602	200	50	6.0	55	300	1.0	6.0	10.0	200
UF604	400	50	6.0	55	300	1.1	6.0	10.0	400
UF606	600	75	6.0	55	300	1.7	6.0	10.0	600
UF608	800	75	6.0	55	300	1.7	6.0	10.0	800



## UltraFast Recovery Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Reverse Recovery Time	Max. Average Rectified Current (t)	Max. Peak Forward Surge Current (t)	Forward Voltage Drop	Max. Reverse Current (t)		Package		
	V <sub>RRM</sub>	T <sub>RR</sub>	I <sub>o</sub> @ T	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>				
	V	ns	A	°C	A	V	μA	V		
<b>6.0 AMP Ultra Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
UF600G	50	50	6.0	55	250	1.0	6.0	10.0	50	P-600
UF601G	100	50	6.0	55	250	1.0	6.0	10.0	100	P-600
UF602G	200	50	6.0	55	250	1.0	6.0	10.0	200	P-600
UF604G	400	50	6.0	55	250	1.3	6.0	10.0	400	P-600
UF606G	600	100	6.0	55	250	1.7	6.0	10.0	600	P-600
UF608G	800	100	6.0	55	250	1.7	6.0	10.0	800	P-600
<b>8.0 AMP Ultra Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
UF800	50	50	8.0	100	125	1.00	8.0	10.0	50	TO-220AC
UF801	100	50	8.0	100	125	1.00	8.0	10.0	100	TO-220AC
UF802	200	50	8.0	100	125	1.00	8.0	10.0	200	TO-220AC
UF803	300	50	8.0	100	125	1.30	8.0	10.0	300	TO-220AC
UF804	400	50	8.0	100	125	1.30	8.0	10.0	400	TO-220AC
UF806	600	100	8.0	100	125	1.70	8.0	10.0	600	TO-220AC
UF808	800	100	8.0	100	125	1.70	8.0	10.0	800	TO-220AC
UF800F	50	50	8.0	100	125	1.00	8.0	10.0	50	ITO-220AC
UF801F	100	50	8.0	100	125	1.00	8.0	10.0	100	ITO-220AC
UF802F	200	50	8.0	100	125	1.00	8.0	10.0	200	ITO-220AC
UF803F	300	50	8.0	100	125	1.30	8.0	10.0	300	ITO-220AC
UF804F	400	50	8.0	100	125	1.30	8.0	10.0	400	ITO-220AC
UF806F	600	100	8.0	100	125	1.70	8.0	10.0	600	ITO-220AC
UF808F	800	100	8.0	100	125	1.70	8.0	10.0	800	ITO-220AC
<b>10.0 AMP Ultra Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
UF1000	50	50	10.0	100	150	1.00	10.0	10.0	50	TO-220AC
UF1001	100	50	10.0	100	150	1.00	10.0	10.0	100	TO-220AC
UF1002	200	50	10.0	100	150	1.00	10.0	10.0	200	TO-220AC
UF1003	300	50	10.0	100	150	1.30	10.0	10.0	300	TO-220AC
UF1004	400	50	10.0	100	150	1.30	10.0	10.0	400	TO-220AC
UF1006	600	100	10.0	100	150	1.70	10.0	10.0	600	TO-220AC
UF1008	800	100	10.0	100	150	1.70	10.0	10.0	800	TO-220AC
UF1000F	50	50	10.0	100	150	1.00	10.0	10.0	50	ITO-220AC
UF1001F	100	50	10.0	100	150	1.00	10.0	10.0	100	ITO-220AC
UF1002F	200	50	10.0	100	150	1.00	10.0	10.0	200	ITO-220AC
UF1003F	300	50	10.0	100	150	1.30	10.0	10.0	300	ITO-220AC
UF1004F	400	50	10.0	100	150	1.30	10.0	10.0	400	ITO-220AC
UF1006F	600	100	10.0	100	150	1.70	10.0	10.0	600	ITO-220AC
UF1008F	800	100	10.0	100	150	1.70	10.0	10.0	800	ITO-220AC



P-600



TO-220AC



ITO-220AC

## UltraFast Recovery Rectifiers (continued)

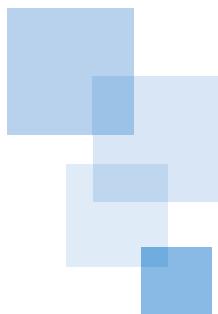
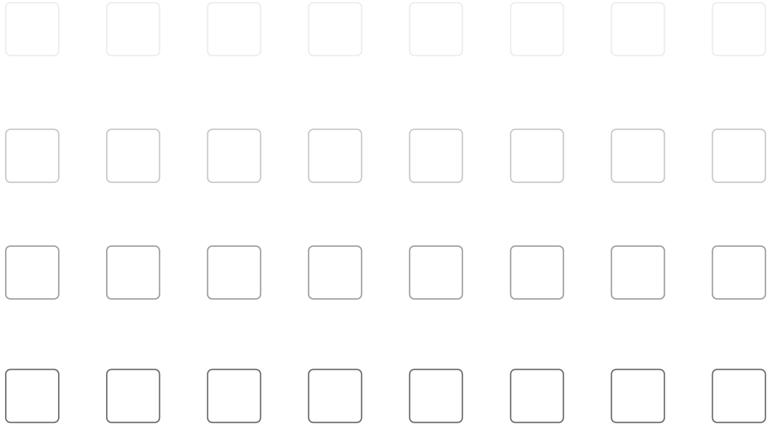
Part Number	Peak Repetitive Reverse Voltage	Reverse Recovery Time	Max. Average Rectified Current (t)		Max. Peak Forward Surge Current (t)	Forward Voltage Drop		Max. Reverse Current (t)	Package	
	V <sub>RRM</sub>	T <sub>RR</sub>	I <sub>O</sub> @ T		I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>			
	V	ns	A	°C	A	V	A	μA	V	
<b>10.0 AMP Ultra Fast Recovery Rectifiers (Glass Passivation Junction) --continued</b>										
UF1000CT	50	50	10.0	100	125	1.00	5.0	10.0	50	TO-220AB
UF1001CT	100	50	10.0	100	125	1.00	5.0	10.0	100	TO-220AB
UF1002CT	200	50	10.0	100	125	1.00	5.0	10.0	200	TO-220AB
UF1003CT	300	50	10.0	100	125	1.30	5.0	10.0	300	TO-220AB
UF1004CT	400	50	10.0	100	125	1.30	5.0	10.0	400	TO-220AB
UF1006CT	600	100	10.0	100	125	1.70	5.0	10.0	600	TO-220AB
UF1008CT	800	100	10.0	100	125	1.70	5.0	10.0	800	TO-220AB
UF1000FCT	50	50	10.0	100	125	1.00	5.0	10.0	50	ITO-220AB
UF1001FCT	100	50	10.0	100	125	1.00	5.0	10.0	100	ITO-220AB
UF1002FCT	200	50	10.0	100	125	1.00	5.0	10.0	200	ITO-220AB
UF1003FCT	300	50	10.0	100	125	1.30	5.0	10.0	300	ITO-220AB
UF1004FCT	400	50	10.0	100	125	1.30	5.0	10.0	400	ITO-220AB
UF1006FCT	600	100	10.0	100	125	1.70	5.0	10.0	600	ITO-220AB
UF1008FCT	800	100	10.0	100	125	1.70	5.0	10.0	800	ITO-220AB
<b>16.0 AMP Ultra Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
UF1600CT	50	50	16.0	100	125	1.00	8.0	10.0	50	TO-220AB
UF1601CT	100	50	16.0	100	125	1.00	8.0	10.0	100	TO-220AB
UF1602CT	200	50	16.0	100	125	1.00	8.0	10.0	200	TO-220AB
UF1603CT	300	50	16.0	100	125	1.30	8.0	10.0	300	TO-220AB
UF1604CT	400	50	16.0	100	125	1.30	8.0	10.0	400	TO-220AB
UF1606CT	600	100	16.0	100	125	1.70	8.0	10.0	600	TO-220AB
UF1608CT	800	100	16.0	100	125	1.70	8.0	10.0	800	TO-220AB
UF1600FCT	50	50	16.0	100	125	1.00	8.0	10.0	50	ITO-220AB
UF1601FCT	100	50	16.0	100	125	1.00	8.0	10.0	100	ITO-220AB
UF1602FCT	200	50	16.0	100	125	1.00	8.0	10.0	200	ITO-220AB
UF1603FCT	300	50	16.0	100	125	1.30	8.0	10.0	300	ITO-220AB
UF1604FCT	400	50	16.0	100	125	1.30	8.0	10.0	400	ITO-220AB
UF1606FCT	600	100	16.0	100	125	1.70	8.0	10.0	600	ITO-220AB
UF1608FCT	800	100	16.0	100	125	1.70	8.0	10.0	800	ITO-220AB



TO-220AB



ITO-220AB



# SuperFast Recovery Rectifiers

## Product Series

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## Super Fast Recovery Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Reverse Recovery Time	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package
	V <sub>RRM</sub>	T <sub>RR</sub>	I <sub>O</sub> @ T	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>				
	V	ns	A	°C	A	V	A	μA	V	
<b>1.0 AMP Super Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
1E1	50	35	1.0	55	30	0.95	1.0	5.0	50	R-1
1E2	100	35	1.0	55	30	0.95	1.0	5.0	100	R-1
1E2A	150	35	1.0	55	30	0.95	1.0	5.0	150	R-1
1E3	200	35	1.0	55	30	0.95	1.0	5.0	200	R-1
1E3A	300	35	1.0	55	30	1.25	1.0	5.0	300	R-1
1E4	400	35	1.0	55	30	1.25	1.0	5.0	400	R-1
1E5	600	35	1.0	55	30	1.70	1.0	5.0	600	R-1
ER100S	50	35	1.0	55	30	0.95	1.0	5.0	50	A-405
ER101S	100	35	1.0	55	30	0.95	1.0	5.0	100	A-405
ER101AS	150	35	1.0	55	30	0.95	1.0	5.0	150	A-405
ER102S	200	35	1.0	55	30	0.95	1.0	5.0	200	A-405
ER103S	300	35	1.0	55	30	1.25	1.0	5.0	300	A-405
ER104S	400	35	1.0	55	30	1.25	1.0	5.0	400	A-405
ER106S	600	35	1.0	55	30	1.70	1.0	5.0	600	A-405
ER100	50	35	1.0	55	30	0.95	1.0	5.0	50	DO-41
ER101	100	35	1.0	55	30	0.95	1.0	5.0	100	DO-41
ER101A	150	35	1.0	55	30	0.95	1.0	5.0	150	DO-41
ER102	200	35	1.0	55	30	0.95	1.0	5.0	200	DO-41
ER103	300	35	1.0	55	30	1.25	1.0	5.0	300	DO-41
ER104	400	35	1.0	55	30	1.25	1.0	5.0	400	DO-41
ER106	600	35	1.0	55	30	1.70	1.0	5.0	600	DO-41
ES1A	50	35	1.0	120	30	0.95	1.0	5.0	50	SMA/DO-214AC
ES1B	100	35	1.0	120	30	0.95	1.0	5.0	100	SMA/DO-214AC
ES1C	150	35	1.0	120	30	0.95	1.0	5.0	150	SMA/DO-214AC
ES1D	200	35	1.0	120	30	0.95	1.0	5.0	200	SMA/DO-214AC
ES1E	300	35	1.0	120	30	1.25	1.0	5.0	300	SMA/DO-214AC
ES1G	400	35	1.0	120	30	1.25	1.0	5.0	400	SMA/DO-214AC
ES1J	600	35	1.0	120	30	1.70	1.0	5.0	600	SMA/DO-214AC
ER1A	50	35	1.0	100	30	0.95	1.0	5.0	50	SMB/DO-214AA
ER1B	100	35	1.0	100	30	0.95	1.0	5.0	100	SMB/DO-214AA
ER1C	150	35	1.0	100	30	0.95	1.0	5.0	150	SMB/DO-214AA
ER1D	200	35	1.0	100	30	0.95	1.0	5.0	200	SMB/DO-214AA
ER1E	300	35	1.0	100	30	1.25	1.0	5.0	300	SMB/DO-214AA
ER1G	400	35	1.0	100	30	1.25	1.0	5.0	400	SMB/DO-214AA
ER1J	600	35	1.0	100	30	1.70	1.0	5.0	600	SMB/DO-214AA
<b>2.0 AMP Super Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
ER200	50	35	2.0	55	50	0.95	2.0	5.0	50	DO-15
ER201	100	35	2.0	55	50	0.95	2.0	5.0	100	DO-15
ER201A	150	35	2.0	55	50	0.95	2.0	5.0	150	DO-15
ER202	200	35	2.0	55	50	0.95	2.0	5.0	200	DO-15
ER203	300	35	2.0	55	50	1.25	2.0	5.0	300	DO-15
ER204	400	35	2.0	55	50	1.25	2.0	5.0	400	DO-15
ER206	600	35	2.0	55	50	1.70	2.0	5.0	600	DO-15



## Super Fast Recovery Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Reverse Recovery Time	Max. Average Rectified Current (t)		Max. Peak Forward Surge Current (t)	Forward Voltage Drop		Max. Reverse Current (t)		Package
	V <sub>RRM</sub>	T <sub>RR</sub>	I <sub>O</sub> @ T	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>				
	V	ns	A	°C	A	V	μA	V		
<b>2.0 AMP Super Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
ER2A	50	35	2.0	110	50	0.95	2.0	5.0	50	SMB/DO-214AA
ER2B	100	35	2.0	110	50	0.95	2.0	5.0	100	SMB/DO-214AA
ER2C	150	35	2.0	110	50	0.95	2.0	5.0	150	SMB/DO-214AA
ER2D	200	35	2.0	110	50	0.95	2.0	5.0	200	SMB/DO-214AA
ER2E	300	35	2.0	110	50	1.25	2.0	5.0	300	SMB/DO-214AA
ER2G	400	35	2.0	110	50	1.25	2.0	5.0	400	SMB/DO-214AA
ER2J	600	35	2.0	110	50	1.70	2.0	5.0	600	SMB/DO-214AA
<b>3.0 AMP Super Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
ED302T	200	35	3.0	75	75	0.95	3.0	5.0	200	TO-251AB
ED303T	300	35	3.0	75	75	1.25	3.0	5.0	300	TO-251AB
ED304T	400	35	3.0	75	75	1.25	3.0	5.0	400	TO-251AB
ED306T	600	35	3.0	75	75	1.7	3.0	5.0	600	TO-251AB
ED302YT	200	35	3.0	75	75	0.95	3.0	5.0	200	TO-251AB
ED303YT	300	35	3.0	75	75	1.25	3.0	5.0	300	TO-251AB
ED304YT	400	35	3.0	75	75	1.25	3.0	5.0	400	TO-251AB
ED306YT	600	35	3.0	75	75	1.7	3.0	5.0	600	TO-251AB
ED302S	200	35	3.0	75	75	0.95	3.0	5.0	200	TO-252
ED303S	300	35	3.0	75	75	1.25	3.0	5.0	300	TO-252
ED304S	400	35	3.0	75	75	1.25	3.0	5.0	400	TO-252
ED306S	600	35	3.0	75	75	1.7	3.0	5.0	600	TO-252
ER300	50	35	3.0	55	125	0.95	3.0	5.0	50	DO-201AD
ER301	100	35	3.0	55	125	0.95	3.0	5.0	100	DO-201AD
ER301A	150	35	3.0	55	125	0.95	3.0	5.0	150	DO-201AD
ER302	200	35	3.0	55	125	0.95	3.0	5.0	200	DO-201AD
ER303	300	35	3.0	55	125	1.25	3.0	5.0	300	DO-201AD
ER304	400	35	3.0	55	125	1.25	3.0	5.0	400	DO-201AD
ER306	600	35	3.0	55	125	1.70	3.0	5.0	600	DO-201AD
ER3A	50	35	3.0	75	100	0.95	3.0	5.0	50	SMC/DO-214AB
ER3B	100	35	3.0	75	100	0.95	3.0	5.0	100	SMC/DO-214AB
ER3C	150	35	3.0	75	100	0.95	3.0	5.0	150	SMC/DO-214AB
ER3D	200	35	3.0	75	100	0.95	3.0	5.0	200	SMC/DO-214AB
ER3E	300	35	3.0	75	100	1.25	3.0	5.0	300	SMC/DO-214AB
ER3G	400	35	3.0	75	100	1.25	3.0	5.0	400	SMC/DO-214AB
ER3J	600	35	3.0	75	100	1.70	3.0	5.0	600	SMC/DO-214AB
<b>5.0 AMP Super Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
ED502T	200	35	5.0	75	75	0.95	5.0	5.0	200	TO-251AB
ED503T	300	35	5.0	75	75	1.25	5.0	5.0	300	TO-251AB
ED504T	400	35	5.0	75	75	1.25	5.0	5.0	400	TO-251AB
ED506T	600	35	5.0	75	75	1.7	5.0	5.0	600	TO-251AB



DO-201AD



SMB/DO-214AA



SMC/DO-214AB



TO-251AB



TO-252

SUPERFAST

SUPER FAST RECOVERY RECTIFIERS

## Super Fast Recovery Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Reverse Recovery Time	Max. Average Rectified Current (t)		Max. Peak Forward Surge Current (t)	Forward Voltage Drop		Max. Reverse Current (t)	Package	
	V <sub>RRM</sub>	T <sub>RR</sub>	I <sub>O</sub> @ T	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>				
	V	ns	A	°C	A	V	A	μA	V	
<b>5.0 AMP Super Fast Recovery Rectifiers (Glass Passivation Junction) --continued</b>										
ED502S	200	35	5.0	75	75	0.95	5.0	5.0	200	TO-252
ED503S	300	35	5.0	75	75	1.25	5.0	5.0	300	TO-252
ED504S	400	35	5.0	75	75	1.25	5.0	5.0	400	TO-252
ED506S	600	35	5.0	75	75	1.7	5.0	5.0	600	TO-252
ED502YT	200	35	5.0	75	75	0.95	5.0	5.0	200	TO-251AB
ED503YT	300	35	5.0	75	75	1.25	5.0	5.0	300	TO-251AB
ED504YT	400	35	5.0	75	75	1.25	5.0	5.0	400	TO-251AB
ED506YT	600	35	5.0	75	75	1.7	5.0	5.0	600	TO-251AB
ER500	50	35	5.0	55	150	0.95	5.0	5.0	50	DO-201AD
ER501	100	35	5.0	55	150	0.95	5.0	5.0	100	DO-201AD
ER501A	150	35	5.0	55	150	0.95	5.0	5.0	150	DO-201AD
ER502	200	35	5.0	55	150	0.95	5.0	5.0	200	DO-201AD
ER503	300	35	5.0	55	150	1.25	5.0	5.0	300	DO-201AD
ER504	400	35	5.0	55	150	1.25	5.0	5.0	400	DO-201AD
ER506	600	35	5.0	55	150	1.70	5.0	5.0	600	DO-201AD
<b>6.0 AMP Super Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
ED602CT	200	35	6.0	75	75	0.95	3.0	5.0	200	TO-251AB
ED603CT	300	35	6.0	75	75	1.3	3.0	5.0	300	TO-251AB
ED604CT	400	35	6.0	75	75	1.3	3.0	5.0	400	TO-251AB
ED606CT	600	35	6.0	75	75	1.7	3.0	5.0	600	TO-251AB
ED602CS	200	35	6.0	75	75	0.95	3.0	5.0	200	TO-252
ED603CS	300	35	6.0	75	75	1.3	3.0	5.0	300	TO-252
ED604CS	400	35	6.0	75	75	1.3	3.0	5.0	400	TO-252
ED606CS	600	35	6.0	75	75	1.7	3.0	5.0	600	TO-252
<b>8.0 AMP Super Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
ED802CT	200	35	8.0	85	85	0.95	4.0	5.0	200	TO-251AB
ED803CT	300	50	8.0	85	85	1.3	4.0	5.0	300	TO-251AB
ED804CT	400	50	8.0	85	85	1.3	4.0	5.0	400	TO-251AB
ED806CT	600	50	8.0	85	85	1.7	4.0	5.0	600	TO-251AB
ED802CS	200	35	8.0	85	85	0.95	4.0	5.0	200	TO-252
ED803CS	300	50	8.0	85	85	1.3	4.0	5.0	300	TO-252
ED804CS	400	50	8.0	85	85	1.3	4.0	5.0	400	TO-252
ED806CS	600	50	8.0	85	85	1.7	4.0	5.0	600	TO-252
ER800	50	35	8.0	100	125	0.95	8.0	10.0	50	TO-220AC
ER801	100	35	8.0	100	125	0.95	8.0	10.0	100	TO-220AC
ER801A	150	35	8.0	100	125	0.95	8.0	10.0	150	TO-220AC
ER802	200	35	8.0	100	125	0.95	8.0	10.0	200	TO-220AC
ER803	300	50	8.0	100	125	1.30	8.0	10.0	300	TO-220AC
ER804	400	50	8.0	100	125	1.30	8.0	10.0	400	TO-220AC



DO-201AD



TO-252



TO-251AB



TO-220AC

## Super Fast Recovery Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Reverse Recovery Time	Max. Average Rectified Current (I)	Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)	Package		
	V <sub>RRM</sub>	T <sub>RR</sub>	I <sub>O</sub> @ T	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>				
	V	ns	A	°C	A	V	μA	V		
<b>8.0 AMP Super Fast Recovery Rectifiers (Glass Passivation Junction) --continued</b>										
ER800F	50	35	8.0	100	125	0.95	8.0	10.0	50	ITO-220AC
ER801F	100	35	8.0	100	125	0.95	8.0	10.0	100	ITO-220AC
ER801AF	150	35	8.0	100	125	0.95	8.0	10.0	150	ITO-220AC
ER802F	200	35	8.0	100	125	0.95	8.0	10.0	200	ITO-220AC
ER803F	300	50	8.0	100	125	1.30	8.0	10.0	300	ITO-220AC
ER804F	400	50	8.0	100	125	1.30	8.0	10.0	400	ITO-220AC
<b>10.0 AMP Super Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
ED1002CT	200	35	10.0	100	100	0.95	5.0	5.0	200	TO-251AB
ED1003CT	300	50	10.0	100	100	1.3	5.0	5.0	300	TO-251AB
ED1004CT	400	50	10.0	100	100	1.3	5.0	5.0	400	TO-251AB
ED1006CT	600	50	10.0	100	100	1.7	5.0	5.0	600	TO-251AB
ED1002CS	200	35	10.0	100	100	0.95	5.0	5.0	200	TO-252
ED1003CS	300	50	10.0	100	100	1.3	5.0	5.0	300	TO-252
ED1004CS	400	50	10.0	100	100	1.3	5.0	5.0	400	TO-252
ED1006CS	600	50	10.0	100	100	1.7	5.0	5.0	600	TO-252
ER1000	50	35	10.0	100	150	0.95	10.0	10.0	50	TO-220AC
ER1001	100	35	10.0	100	150	0.95	10.0	10.0	100	TO-220AC
ER1001A	150	35	10.0	100	150	0.95	10.0	10.0	150	TO-220AC
ER1002	200	35	10.0	100	150	0.95	10.0	10.0	200	TO-220AC
ER1003	300	50	10.0	100	150	1.30	10.0	10.0	300	TO-220AC
ER1004	400	50	10.0	100	150	1.30	10.0	10.0	400	TO-220AC
ER1000F	50	35	10.0	100	150	0.95	10.0	10.0	50	ITO-220AC
ER1001F	100	35	10.0	100	150	0.95	10.0	10.0	100	ITO-220AC
ER1001AF	150	35	10.0	100	150	0.95	10.0	10.0	150	ITO-220AC
ER1002F	200	35	10.0	100	150	0.95	10.0	10.0	200	ITO-220AC
ER1003F	300	50	10.0	100	150	1.30	10.0	10.0	300	ITO-220AC
ER1004F	400	50	10.0	100	150	1.30	10.0	10.0	400	ITO-220AC
ER1000CT	50	35	10.0	100	150	0.95	5.0	10.0	50	TO-220AB
ER1001CT	100	35	10.0	100	150	0.95	5.0	10.0	100	TO-220AB
ER1001ACT	150	35	10.0	100	150	0.95	5.0	10.0	150	TO-220AB
ER1002CT	200	35	10.0	100	150	0.95	5.0	10.0	200	TO-220AB
ER1003CT	300	50	10.0	100	150	1.30	5.0	10.0	300	TO-220AB
ER1004CT	400	50	10.0	100	150	1.30	5.0	10.0	400	TO-220AB
ER1000FCT	50	35	10.0	100	150	0.95	5.0	10.0	50	ITO-220AB
ER1001FCT	100	35	10.0	100	150	0.95	5.0	10.0	100	ITO-220AB
ER1001AFCT	150	35	10.0	100	150	0.95	5.0	10.0	150	ITO-220AB
ER1002FCT	200	35	10.0	100	150	0.95	5.0	10.0	200	ITO-220AB
ER1003FCT	300	50	10.0	100	150	1.30	5.0	10.0	300	ITO-220AB
ER1004FCT	400	50	10.0	100	150	1.30	5.0	10.0	400	ITO-220AB



TO-220AB



TO-220AC



ITO-220AB



ITO-220AC



TO-252



TO-251AB

SUPERFAST

SUPER FAST RECOVERY RECTIFIERS

## Super Fast Recovery Rectifiers (continued)

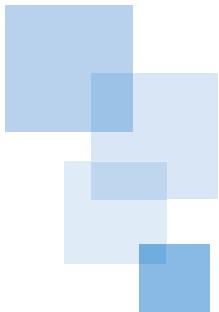
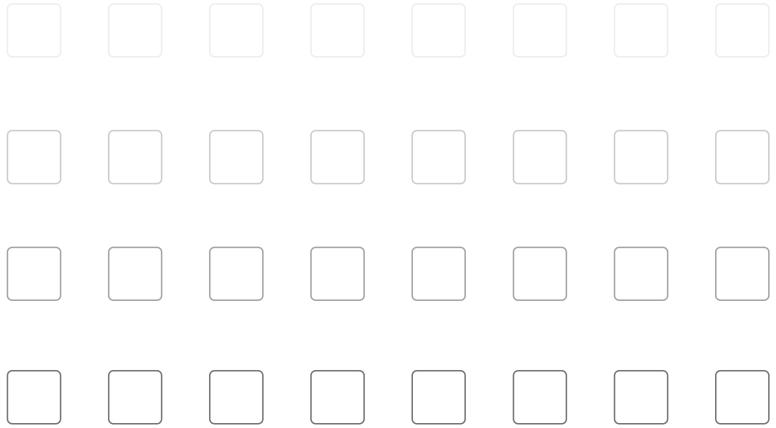
Part Number	Peak Repetitive Reverse Voltage	Reverse Recovery Time	Max. Average Rectified Current (t)		Max. Peak Forward Surge Current (t)	Forward Voltage Drop		Max. Reverse Current (t)		Package
	V <sub>RRM</sub>	T <sub>RR</sub>	I <sub>O</sub> @ T		I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>			
	V	ns	A	°C	A	V	A	μA	V	
<b>16.0 AMP Super Fast Recovery Rectifiers (Glass Passivation Junction)</b>										
ER1600CT	50	35	16.0	90	125	0.95	8.0	10.0	50	TO-220AB
ER1601CT	100	35	16.0	90	125	0.95	8.0	10.0	100	TO-220AB
ER1601ACT	150	35	16.0	90	125	0.95	8.0	10.0	150	TO-220AB
ER1602CT	200	35	16.0	90	125	0.95	8.0	10.0	200	TO-220AB
ER1603CT	300	50	16.0	90	125	1.30	8.0	10.0	300	TO-220AB
ER1604CT	400	50	16.0	90	125	1.30	8.0	10.0	400	TO-220AB
ER1600FCT	50	35	16.0	90	125	0.95	8.0	10.0	50	ITO-220AB
ER1601FCT	100	35	16.0	90	125	0.95	8.0	10.0	100	ITO-220AB
ER1601AFCT	150	35	16.0	90	125	0.95	8.0	10.0	150	ITO-220AB
ER1602FCT	200	35	16.0	90	125	0.95	8.0	10.0	200	ITO-220AB
ER1603FCT	300	50	16.0	90	125	1.30	8.0	10.0	300	ITO-220AB
ER1604FCT	400	50	16.0	90	125	1.30	8.0	10.0	400	ITO-220AB



TO-220AB



ITO-220AB



# Schottky Barrier Rectifiers

## Product Series

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# Schottky Barrier Rectifiers

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current		Max. Peak Forward Surge Current		Forward Voltage Drop		Max. Reverse Current		Package	Circuit Figure		
	V <sub>RRM</sub>	I <sub>O</sub> @ T		I <sub>FSM</sub> @ T		V <sub>F</sub> @ I <sub>F</sub>		I <sub>R</sub> @ V <sub>R</sub>					
	V	A	°C	A	S	V	A	μA	V				
<b>0.2 AMP Schottky Barrier Rectifiers</b>													
BAT42WS	30	0.2	75	4.0	1.0m	0.40 / 1.0	0.010 / 0.2	0.5	30	SOD-323	-		
BAT43WS	30	0.2	75	4.0	1.0m	0.33 / 1.0	0.002 / 0.2	0.5	30	SOD-323	-		
BAT54WS	30	0.2	75	0.6	1.0	0.32 / 1.0	0.001 / 0.1	2.0	25	SOD-323	-		
BAT54	30	0.2	75	0.6	1.0	0.32 / 1.0	0.001 / 0.1	2.0	25	SOT-23	Fig. 1		
BAT54A	30	0.2	75	0.6	1.0	0.32 / 1.0	0.001 / 0.1	2.0	25	SOT-23	Fig. 2		
BAT54C	30	0.2	75	0.6	1.0	0.32 / 1.0	0.001 / 0.1	2.0	25	SOT-23	Fig. 3		
BAT54S	30	0.2	75	0.6	1.0	0.32 / 1.0	0.001 / 0.1	2.0	25	SOT-23	Fig. 4		
BAT54W	30	0.2	75	0.6	1.0	0.32 / 1.0	0.001 / 0.1	2.0	25	SOT-323	Fig. 1		
BAT54AW	30	0.2	75	0.6	1.0	0.32 / 1.0	0.001 / 0.1	2.0	25	SOT-323	Fig. 2		
BAT54CW	30	0.2	75	0.6	1.0	0.32 / 1.0	0.001 / 0.1	2.0	25	SOT-323	Fig. 3		
BAT54SW	30	0.2	75	0.6	1.0	0.32 / 1.0	0.001 / 0.1	2.0	25	SOT-323	Fig. 4		
BAT42W	30	0.20	75	4.0	10m	0.40 / 1.0	0.010 / 0.2	0.5	30	SOD-123	-		
BAT43W	30	0.20	75	4.0	10m	0.33 / 1.0	0.002 / 0.2	0.5	30	SOD-123	-		
<b>0.35 AMP Schottky Barrier Rectifiers</b>													
SD103AWS	40	0.35	75	2.0	1.0	0.37 / 0.6	0.02 / 0.2	5.0	30	SOD-323	-		
SD103BWS	30	0.35	75	2.0	1.0	0.37 / 0.6	0.02 / 0.2	5.0	20	SOD-323	-		
SD103CWS	20	0.35	75	2.0	1.0	0.37 / 0.6	0.02 / 0.2	5.0	10	SOD-323	-		
SD103AW	40	0.35	75	2.0	1.0	0.37 / 0.6	0.02 / 0.2	5.0	30	SOD-123	-		
SD103BW	30	0.35	75	2.0	1.0	0.37 / 0.6	0.02 / 0.2	5.0	20	SOD-123	-		
SD103CW	20	0.35	75	2.0	1.0	0.37 / 0.6	0.02 / 0.2	5.0	10	SOD-123	-		
<b>0.5 AMP Schottky Barrier Rectifiers</b>													
SS0520	20	0.50	75	5.5	8.3m	0.300 / 0.385	0.10 / 0.50	75	10	SOD-123	-		
SS0530	30	0.50	75	5.5	8.3m	0.375 / 0.430	0.10 / 0.50	20	15	SOD-123	-		
SS0540	40	0.50	75	5.5	8.3m	0.51	0.50	10	20	SOD-123	-		

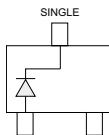


Figure 1

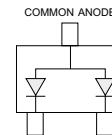


Figure 2

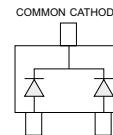


Figure 3

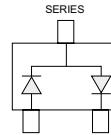


Figure 4



SOD-323



SOT-323



SOT-23



SOD-123

# Schottky Barrier Rectifiers

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (t)		Max. Peak Forward Surge Current (t)	Forward Voltage Drop		Max. Reverse Current (t)	Package	
	V <sub>RRM</sub>	I <sub>O</sub> @ T	°C	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>			
	V	A	°C	A	V	A	μA	V	
<b>1.0 AMP Schottky Barrier Rectifiers</b>									
1S2	20	1.0	75	30	0.5	1.0	500	20	R-1
1S3	30	1.0	75	30	0.5	1.0	500	30	R-1
1S4	40	1.0	75	30	0.5	1.0	500	40	R-1
1S5	50	1.0	75	30	0.7	1.0	500	50	R-1
1S6	60	1.0	75	30	0.7	1.0	500	60	R-1
1S8	80	1.0	75	30	0.85	1.0	500	80	R-1
1S10	100	1.0	75	30	0.85	1.0	500	100	R-1
SB120S	20	1.0	75	30	0.5	1.0	500	20	A-405
SB130S	30	1.0	75	30	0.5	1.0	500	30	A-405
SB140S	40	1.0	75	30	0.5	1.0	500	40	A-405
SB150S	50	1.0	75	30	0.7	1.0	500	50	A-405
SB160S	60	1.0	75	30	0.7	1.0	500	60	A-405
SB180S	80	1.0	75	30	0.85	1.0	500	80	A-405
SB1100S	100	1.0	75	30	0.85	1.0	500	100	A-405
SB120	20	1.0	75	30	0.5	1.0	500	20	DO-41
SB130	30	1.0	75	30	0.5	1.0	500	30	DO-41
SB140	40	1.0	75	30	0.5	1.0	500	40	DO-41
SB150	50	1.0	75	30	0.7	1.0	500	50	DO-41
SB160	60	1.0	75	30	0.7	1.0	500	60	DO-41
SB180	80	1.0	75	30	0.85	1.0	500	80	DO-41
SB1100	100	1.0	75	30	0.85	1.0	500	100	DO-41
1N5817	20	1.0	90	25	0.45	1.0	500	20	DO-41
1N5818	30	1.0	90	25	0.55	1.0	500	30	DO-41
1N5819	40	1.0	90	25	0.6	1.0	500	40	DO-41
SS12	20	1.0	75	30	0.5	1.0	500	20	SMA/DO-214AC
SS13	30	1.0	75	30	0.5	1.0	500	30	SMA/DO-214AC
SS14	40	1.0	75	30	0.5	1.0	500	40	SMA/DO-214AC
SS15	50	1.0	75	30	0.7	1.0	500	50	SMA/DO-214AC
SS16	60	1.0	75	30	0.7	1.0	500	60	SMA/DO-214AC
SS18	80	1.0	75	30	0.85	1.0	500	80	SMA/DO-214AC
S100	100	1.0	75	30	0.85	1.0	500	100	SMA/DO-214AC
SL12	20	1.0	75	30	0.38	1.0	500	20	SMA/DO-214AC
SL13	30	1.0	75	30	0.38	1.0	500	30	SMA/DO-214AC
SL14	40	1.0	75	30	0.40	1.0	500	40	SMA/DO-214AC
SK12	20	1.0	75	30	0.5	1.0	500	20	SMB/DO-214AA
SK13	30	1.0	75	30	0.5	1.0	500	30	SMB/DO-214AA
SK14	40	1.0	75	30	0.5	1.0	500	40	SMB/DO-214AA
SK15	50	1.0	75	30	0.7	1.0	500	50	SMB/DO-214AA
SK16	60	1.0	75	30	0.7	1.0	500	60	SMB/DO-214AA
SK18	80	1.0	75	30	0.85	1.0	500	80	SMB/DO-214AA
SK19	90	1.0	75	30	0.85	1.0	500	90	SMB/DO-214AA
S110	100	1.0	75	30	0.85	1.0	500	100	SMB/DO-214AA



R-1



DO-41



A-405



SMA/DO-214AC



SMB/DO-214AA

## Schottky Barrier Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package	Circuit Figure
	V <sub>RRM</sub>	I <sub>O</sub> @ T	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>					
	V	A	°C	A	V	A	μA	V		
<b>2.0 AMP Schottky Barrier Rectifiers</b>										
SB220	20	2.0	75	50	0.5	2.0	500	20	DO-15	-
SB230	30	2.0	75	50	0.5	2.0	500	30	DO-15	-
SB240	40	2.0	75	50	0.5	2.0	500	40	DO-15	-
SB250	50	2.0	75	50	0.7	2.0	500	50	DO-15	-
SB260	60	2.0	75	50	0.7	2.0	500	60	DO-15	-
SB280	80	2.0	75	50	0.85	2.0	500	80	DO-15	-
SB2100	100	2.0	75	50	0.85	2.0	500	100	DO-15	-
SR22	20	2.0	75	50	0.5	2.0	500	20	SMA/DO-214AC	-
SR23	30	2.0	75	50	0.5	2.0	500	30	SMA/DO-214AC	-
SR24	40	2.0	75	50	0.5	2.0	500	40	SMA/DO-214AC	-
SR25	50	2.0	75	50	0.7	2.0	500	50	SMA/DO-214AC	-
SR26	60	2.0	75	50	0.7	2.0	500	60	SMA/DO-214AC	-
SR28	80	2.0	75	50	0.85	2.0	500	80	SMA/DO-214AC	-
SR29	90	2.0	75	50	0.85	2.0	500	90	SMA/DO-214AC	-
SL22	20	2.0	105	50	0.38	2.0	500	20	SMB/DO-214AA	-
SL23	30	2.0	105	50	0.38	2.0	500	30	SMB/DO-214AA	-
SL24	40	2.0	105	50	0.40	2.0	500	40	SMB/DO-214AA	-
SK22	20	2.0	105	50	0.5	2.0	500	20	SMB/DO-214AA	-
SK23	30	2.0	105	50	0.5	2.0	500	30	SMB/DO-214AA	-
SK24	40	2.0	105	50	0.5	2.0	500	40	SMB/DO-214AA	-
SK25	50	2.0	105	50	0.7	2.0	500	50	SMB/DO-214AA	-
SK26	60	2.0	105	50	0.7	2.0	500	60	SMB/DO-214AA	-
SK28	80	2.0	105	50	0.85	2.0	500	80	SMB/DO-214AA	-
SK29	90	2.0	105	50	0.85	2.0	500	90	SMB/DO-214AA	-
S210	100	2.0	105	50	0.85	2.0	500	100	SMB/DO-214AA	-
<b>3.0 AMP Schottky Barrier Rectifiers</b>										
SD320T	20	3.0	75	75	0.5	3	200	20	TO-251AB	Fig. 3
SD330T	30	3.0	75	75	0.5	3	200	30	TO-251AB	Fig. 3
SD340T	40	3.0	75	75	0.5	3	200	40	TO-251AB	Fig. 3
SD350T	50	3.0	75	75	0.64	3	200	50	TO-251AB	Fig. 3
SD360T	60	3.0	75	75	0.64	3	200	60	TO-251AB	Fig. 3
SD380T	80	3.0	75	75	0.85	3	200	80	TO-251AB	Fig. 3
SD3100T	100	3.0	75	75	0.85	3	200	100	TO-251AB	Fig. 3
SD320YT	20	3.0	75	75	0.5	3	200	20	TO-251AB	Fig. 1
SD330YT	30	3.0	75	75	0.5	3	200	30	TO-251AB	Fig. 1
SD340YT	40	3.0	75	75	0.5	3	200	40	TO-251AB	Fig. 1
SD350YT	50	3.0	75	75	0.64	3	200	50	TO-251AB	Fig. 1
SD360YT	60	3.0	75	75	0.64	3	200	60	TO-251AB	Fig. 1
SD380YT	80	3.0	75	75	0.85	3	200	80	TO-251AB	Fig. 1
SD3100YT	100	3.0	75	75	0.85	3	200	100	TO-251AB	Fig. 1
1N5820	20	3.0	95	80	0.475	3.0	500	20	DO-201AD	-
1N5821	30	3.0	95	80	0.500	3.0	500	30	DO-201AD	-
1N5822	40	3.0	95	80	0.525	3.0	500	40	DO-201AD	-
SL32	20	3.0	105	100	0.38	3.0	500	20	SMC/DO-214AB	-
SL33	30	3.0	105	100	0.38	3.0	500	30	SMC/DO-214AB	-
SL34	40	3.0	105	100	0.40	3.0	500	40	SMC/DO-214AB	-

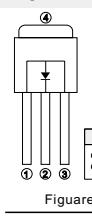


Figure 1

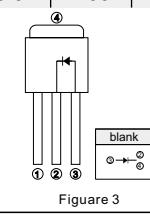


Figure 3



TO-251AB



SMA/DO-214AC



SMB/DO-214AA



DO-15

## Schottky Barrier Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package	Circuit Figure
	V <sub>RRM</sub>	I <sub>O</sub> @ T	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>		I <sub>R</sub> @ V <sub>R</sub>				
	V	A	°C	A	V	A	μA	V		
<b>3.0 AMP Schottky Barrier Rectifiers --continued</b>										
SD320S	20	3.0	75	75	0.5	3	200	20	TO-252	Fig. 4
SD330S	30	3.0	75	75	0.5	3	200	30	TO-252	Fig. 4
SD340S	40	3.0	75	75	0.5	3	200	40	TO-252	Fig. 4
SD350S	50	3.0	75	75	0.64	3	200	50	TO-252	Fig. 4
SD360S	60	3.0	75	75	0.64	3	200	60	TO-252	Fig. 4
SD380S	80	3.0	75	75	0.85	3	200	80	TO-252	Fig. 4
SD3100S	100	3.0	75	75	0.85	3	200	100	TO-252	Fig. 4
SD320YS	20	3.0	75	75	0.5	3	200	20	TO-252	Fig. 2
SD330YS	30	3.0	75	75	0.5	3	200	30	TO-252	Fig. 2
SD340YS	40	3.0	75	75	0.5	3	200	40	TO-252	Fig. 2
SD350YS	50	3.0	75	75	0.64	3	200	50	TO-252	Fig. 2
SD360YS	60	3.0	75	75	0.64	3	200	60	TO-252	Fig. 2
SD380YS	80	3.0	75	75	0.85	3	200	80	TO-252	Fig. 2
SD3100YS	100	3.0	75	75	0.85	3	200	100	TO-252	Fig. 2
SB320	20	3.0	75	80	0.5	3.0	500	20	DO-201AD	-
SB330	30	3.0	75	80	0.5	3.0	500	30	DO-201AD	-
SB340	40	3.0	75	80	0.5	3.0	500	40	DO-201AD	-
SB350	50	3.0	75	80	0.75	3.0	500	50	DO-201AD	-
SB360	60	3.0	75	80	0.75	3.0	500	60	DO-201AD	-
SB380	80	3.0	75	80	0.85	3.0	500	80	DO-201AD	-
SB3100	100	3.0	75	80	0.85	3.0	500	100	DO-201AD	-
SX32	20	3.0	75	80	0.5	3.0	500	20	SMA/DO-214AC	-
SX33	30	3.0	75	80	0.5	3.0	500	30	SMA/DO-214AC	-
SX34	40	3.0	75	80	0.5	3.0	500	40	SMA/DO-214AC	-
SX35	50	3.0	75	80	0.75	3.0	500	50	SMA/DO-214AC	-
SX36	60	3.0	75	80	0.75	3.0	500	60	SMA/DO-214AC	-
SX38	80	3.0	75	80	0.85	3.0	500	80	SMA/DO-214AC	-
SX39	90	3.0	75	80	0.85	3.0	500	90	SMA/DO-214AC	-
SR32	20	3.0	75	80	0.5	3.0	500	20	SMB/DO-214AA	-
SR33	30	3.0	75	80	0.5	3.0	500	30	SMB/DO-214AA	-
SR34	40	3.0	75	80	0.5	3.0	500	40	SMB/DO-214AA	-
SR35	50	3.0	75	80	0.75	3.0	500	50	SMB/DO-214AA	-
SR36	60	3.0	75	80	0.75	3.0	500	60	SMB/DO-214AA	-
SR38	80	3.0	75	80	0.85	3.0	500	80	SMB/DO-214AA	-
SR39	90	3.0	75	80	0.85	3.0	500	90	SMB/DO-214AA	-
SK32	20	3.0	75	100	0.5	3.0	500	20	SMC/DO-214AB	-
SK33	30	3.0	75	100	0.5	3.0	500	30	SMC/DO-214AB	-
SK34	40	3.0	75	100	0.5	3.0	500	40	SMC/DO-214AB	-
SK35	50	3.0	75	100	0.75	3.0	500	50	SMC/DO-214AB	-
SK36	60	3.0	75	100	0.75	3.0	500	60	SMC/DO-214AB	-
SK38	80	3.0	75	100	0.85	3.0	500	80	SMC/DO-214AB	-
SK39	90	3.0	75	100	0.85	3.0	500	90	SMC/DO-214AB	-
S310	100	3.0	75	100	0.85	3.0	500	100	SMC/DO-214AB	-



DO-201AD



TO-252



SMB/DO-214AA



SMC/DO-214AB

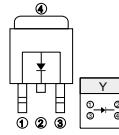


Figure 2

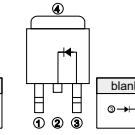
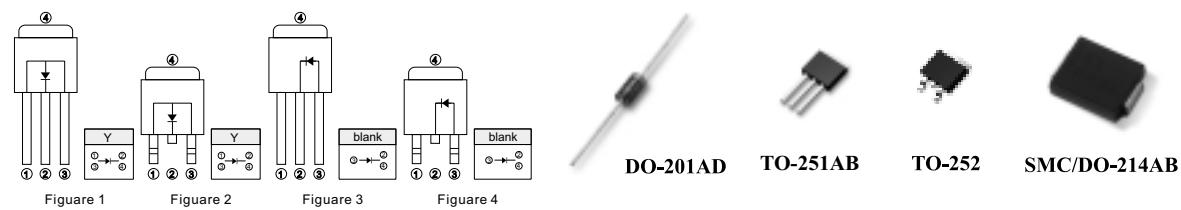


Figure 4

# Schottky Barrier Rectifiers (continued)

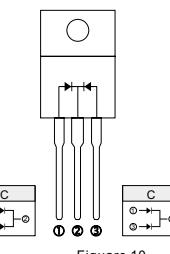
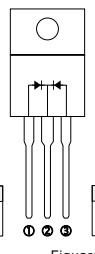
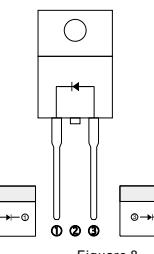
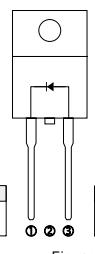
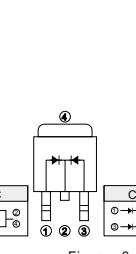
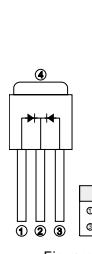
Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package	Circuit Figure		
	V <sub>RRM</sub>	I <sub>O</sub> @ T		I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>		I <sub>R</sub> @ V <sub>R</sub>					
	V	A	°C	A	V	A	μA	V				
<b>5.0 AMP Schottky Barrier Rectifiers</b>												
SD520T	20	5.0	75	100	0.55	5.0	200	20	TO-251AB	Fig. 3		
SD530T	30	5.0	75	100	0.55	5.0	200	30	TO-251AB	Fig. 3		
SD540T	40	5.0	75	100	0.55	5.0	200	40	TO-251AB	Fig. 3		
SD550T	50	5.0	75	100	0.75	5.0	200	50	TO-251AB	Fig. 3		
SD560T	60	5.0	75	100	0.75	5.0	200	60	TO-251AB	Fig. 3		
SD580T	80	5.0	75	100	0.85	5.0	200	80	TO-251AB	Fig. 3		
SD5100T	100	5.0	75	100	0.85	5.0	200	100	TO-251AB	Fig. 3		
SD520YT	20	5.0	75	100	0.55	5.0	200	20	TO-251AB	Fig. 1		
SD530YT	30	5.0	75	100	0.55	5.0	200	30	TO-251AB	Fig. 1		
SD540YT	40	5.0	75	100	0.55	5.0	200	40	TO-251AB	Fig. 1		
SD550YT	50	5.0	75	100	0.75	5.0	200	50	TO-251AB	Fig. 1		
SD560YT	60	5.0	75	100	0.75	5.0	200	60	TO-251AB	Fig. 1		
SD580YT	80	5.0	75	100	0.85	5.0	200	80	TO-251AB	Fig. 1		
SD5100YT	100	5.0	75	100	0.85	5.0	200	100	TO-251AB	Fig. 1		
SD520S	20	5.0	75	100	0.55	5.0	200	20	TO-252	Fig. 4		
SD530S	30	5.0	75	100	0.55	5.0	200	30	TO-252	Fig. 4		
SD540S	40	5.0	75	100	0.55	5.0	200	40	TO-252	Fig. 4		
SD550S	50	5.0	75	100	0.75	5.0	200	50	TO-252	Fig. 4		
SD560S	60	5.0	75	100	0.75	5.0	200	60	TO-252	Fig. 4		
SD580S	80	5.0	75	100	0.85	5.0	200	80	TO-252	Fig. 4		
SD5100S	100	5.0	75	100	0.85	5.0	200	100	TO-252	Fig. 4		
SD520YS	20	5.0	75	100	0.55	5.0	200	20	TO-252	Fig. 2		
SD530YS	30	5.0	75	100	0.55	5.0	200	30	TO-252	Fig. 2		
SD540YS	40	5.0	75	100	0.55	5.0	200	40	TO-252	Fig. 2		
SD550YS	50	5.0	75	100	0.75	5.0	200	50	TO-252	Fig. 2		
SD560YS	60	5.0	75	100	0.75	5.0	200	60	TO-252	Fig. 2		
SD580YS	80	5.0	75	100	0.85	5.0	200	80	TO-252	Fig. 2		
SD5100YS	100	5.0	75	100	0.85	5.0	200	100	TO-252	Fig. 2		
SK52	20	5.0	75	100	0.5	5.0	500	20	SMC/DO-214AB	-		
SK53	30	5.0	75	100	0.5	5.0	500	30	SMC/DO-214AB	-		
SK54	40	5.0	75	100	0.5	5.0	500	40	SMC/DO-214AB	-		
SK55	50	5.0	75	100	0.75	5.0	500	50	SMC/DO-214AB	-		
SK56	60	5.0	75	100	0.75	5.0	500	60	SMC/DO-214AB	-		
SK58	80	5.0	75	100	0.85	5.0	500	80	SMC/DO-214AB	-		
SK59	90	5.0	75	100	0.85	5.0	500	90	SMC/DO-214AB	-		
S510	100	5.0	75	100	0.85	5.0	500	100	SMC/DO-214AB	-		
SB520	20	5.0	60	150	0.55	5.0	500	20	DO-201AD	-		
SB530	30	5.0	60	150	0.55	5.0	500	30	DO-201AD	-		
SB540	40	5.0	60	150	0.55	5.0	500	40	DO-201AD	-		
SB550	50	5.0	90	150	0.70	5.0	500	50	DO-201AD	-		
SB560	60	5.0	90	150	0.70	5.0	500	60	DO-201AD	-		
SB580	80	5.0	90	150	0.85	5.0	500	80	DO-201AD	-		
SB5100	100	5.0	90	150	0.85	5.0	500	100	DO-201AD	-		



# Schottky Barrier Rectifiers (continued)

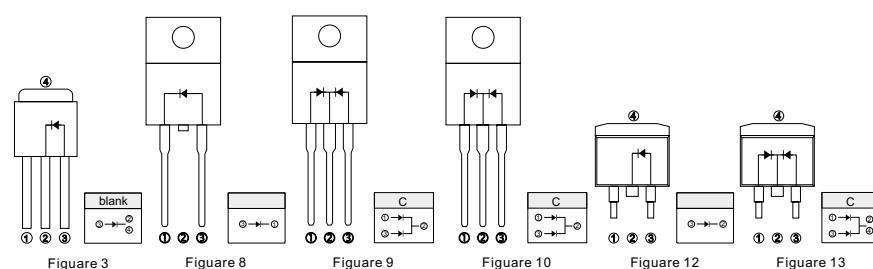


Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package	Circuit Figure
	V <sub>RRM</sub>	I <sub>O</sub> @ T	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	V	A	I <sub>R</sub> @ V <sub>R</sub>	μA		
	V	A	°C	A	V	A	μA	V		
<b>6.0 AMP Schottky Barrier Rectifiers</b>										
SB620	20	6.0	75	75	0.55	6.0	100	20	TO-220AC	Fig. 7
SB630	30	6.0	75	75	0.55	6.0	100	30	TO-220AC	Fig. 7
SB640	40	6.0	75	75	0.55	6.0	100	40	TO-220AC	Fig. 7
SB650	50	6.0	75	75	0.70	6.0	100	50	TO-220AC	Fig. 7
SB660	60	6.0	75	75	0.70	6.0	100	60	TO-220AC	Fig. 7
SB620F	20	6.0	75	75	0.55	6.0	100	20	ITO-220AC	Fig. 8
SB630F	30	6.0	75	75	0.55	6.0	100	30	ITO-220AC	Fig. 8
SB640F	40	6.0	75	75	0.55	6.0	100	40	ITO-220AC	Fig. 8
SB650F	50	6.0	75	75	0.70	6.0	100	50	ITO-220AC	Fig. 8
SB660F	60	6.0	75	75	0.70	6.0	100	60	ITO-220AC	Fig. 8
SB620CT	20	6.0	75	75	0.55	3.0	100	20	TO-220AB	Fig. 9
SB630CT	30	6.0	75	75	0.55	3.0	100	30	TO-220AB	Fig. 9
SB640CT	40	6.0	75	75	0.55	3.0	100	40	TO-220AB	Fig. 9
SB650CT	50	6.0	75	75	0.70	3.0	100	50	TO-220AB	Fig. 9
SB660CT	60	6.0	75	75	0.70	3.0	100	60	TO-220AB	Fig. 9
SB620FCT	20	6.0	75	75	0.55	3.0	100	20	ITO-220AB	Fig. 10
SB630FCT	30	6.0	75	75	0.55	3.0	100	30	ITO-220AB	Fig. 10
SB640FCT	40	6.0	75	75	0.55	3.0	100	40	ITO-220AB	Fig. 10
SB650FCT	50	6.0	75	75	0.70	3.0	100	50	ITO-220AB	Fig. 10
SB660FCT	60	6.0	75	75	0.70	3.0	100	60	ITO-220AB	Fig. 10
SD620CT	20	6.0	75	75	0.55	3.0	200	20	TO-251AB	Fig. 5
SD630CT	30	6.0	75	75	0.55	3.0	200	30	TO-251AB	Fig. 5
SD640CT	40	6.0	75	75	0.55	3.0	200	40	TO-251AB	Fig. 5
SD650CT	50	6.0	75	75	0.70	3.0	200	50	TO-251AB	Fig. 5
SD660CT	60	6.0	75	75	0.70	3.0	200	60	TO-251AB	Fig. 5
SD680CT	80	6.0	75	75	0.85	3.0	200	80	TO-251AB	Fig. 5
SD6100CT	100	6.0	75	75	0.85	3.0	200	100	TO-251AB	Fig. 5
SD620CS	20	6.0	75	75	0.55	3.0	200	20	TO-252	Fig. 6
SD630CS	30	6.0	75	75	0.55	3.0	200	30	TO-252	Fig. 6
SD640CS	40	6.0	75	75	0.55	3.0	200	40	TO-252	Fig. 6
SD650CS	50	6.0	75	75	0.70	3.0	200	50	TO-252	Fig. 6
SD660CS	60	6.0	75	75	0.70	3.0	200	60	TO-252	Fig. 6
SD680CS	80	6.0	75	75	0.85	3.0	200	80	TO-252	Fig. 6
SD6100CS	100	6.0	75	75	0.85	3.0	200	100	TO-252	Fig. 6
<b>8.0 AMP Schottky Barrier Rectifiers</b>										
SB820	20	8.0	100	150	0.55	8.0	500	20	TO-220AC	Fig. 7
SB830	30	8.0	100	150	0.55	8.0	500	30	TO-220AC	Fig. 7
SB840	40	8.0	100	150	0.55	8.0	500	40	TO-220AC	Fig. 7
SB850	50	8.0	100	150	0.75	8.0	500	50	TO-220AC	Fig. 7
SB860	60	8.0	100	150	0.75	8.0	500	60	TO-220AC	Fig. 7
SB880	80	8.0	100	150	0.85	8.0	500	80	TO-220AC	Fig. 7
SB8100	100	8.0	100	150	0.85	8.0	500	100	TO-220AC	Fig. 7



# Schottky Barrier Rectifiers (continued)

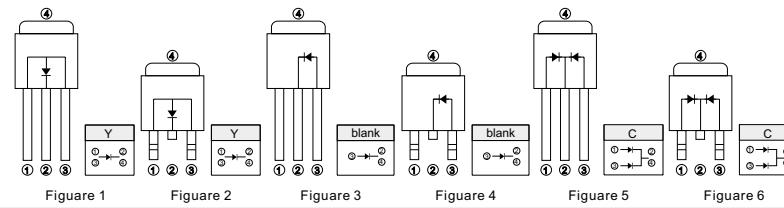
Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package	Circuit Figure		
	V <sub>RRM</sub>	I <sub>O</sub> @ T		I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>		I <sub>R</sub> @ V <sub>R</sub>					
	V	A	°C	A	V	A	μA	V				
<b>8.0 AMP Schottky Barrier Rectifiers --continued</b>												
SB820F	20	8.0	100	150	0.55	8.0	500	20	ITO-220AC	Fig. 8		
SB830F	30	8.0	100	150	0.55	8.0	500	30	ITO-220AC	Fig. 8		
SB840F	40	8.0	100	150	0.55	8.0	500	40	ITO-220AC	Fig. 8		
SB850F	50	8.0	100	150	0.75	8.0	500	50	ITO-220AC	Fig. 8		
SB860F	60	8.0	100	150	0.75	8.0	500	60	ITO-220AC	Fig. 8		
SB880F	80	8.0	100	150	0.85	8.0	500	80	ITO-220AC	Fig. 8		
SB8100F	100	8.0	100	150	0.85	8.0	500	100	ITO-220AC	Fig. 8		
SB820CT	20	8.0	100	150	0.55	4.0	500	20	TO-220AB	Fig. 9		
SB830CT	30	8.0	100	150	0.55	4.0	500	30	TO-220AB	Fig. 9		
SB840CT	40	8.0	100	150	0.55	4.0	500	40	TO-220AB	Fig. 9		
SB850CT	50	8.0	100	150	0.75	4.0	500	50	TO-220AB	Fig. 9		
SB860CT	60	8.0	100	150	0.75	4.0	500	60	TO-220AB	Fig. 9		
SB880CT	80	8.0	100	150	0.85	4.0	500	80	TO-220AB	Fig. 9		
SB8100CT	100	8.0	100	150	0.85	4.0	500	100	TO-220AB	Fig. 9		
SB820FCT	20	8.0	100	150	0.55	4.0	500	20	ITO-220AB	Fig. 10		
SB830FCT	30	8.0	100	150	0.55	4.0	500	30	ITO-220AB	Fig. 10		
SB840FCT	40	8.0	100	150	0.55	4.0	500	40	ITO-220AB	Fig. 10		
SB850FCT	50	8.0	100	150	0.75	4.0	500	50	ITO-220AB	Fig. 10		
SB860FCT	60	8.0	100	150	0.75	4.0	500	60	ITO-220AB	Fig. 10		
SB880FCT	80	8.0	100	150	0.85	4.0	500	80	ITO-220AB	Fig. 10		
SB8100FCT	100	8.0	100	150	0.85	4.0	500	100	ITO-220AB	Fig. 10		
SB820D	20	8.0	100	150	0.55	8.0	500	20	D <sup>2</sup> PAK/TO-263	Fig. 12		
SB830D	30	8.0	100	150	0.55	8.0	500	30	D <sup>2</sup> PAK/TO-263	Fig. 12		
SB840D	40	8.0	100	150	0.55	8.0	500	40	D <sup>2</sup> PAK/TO-263	Fig. 12		
SB850D	50	8.0	100	150	0.75	8.0	500	50	D <sup>2</sup> PAK/TO-263	Fig. 12		
SB860D	60	8.0	100	150	0.75	8.0	500	60	D <sup>2</sup> PAK/TO-263	Fig. 12		
SB880D	80	8.0	100	150	0.85	8.0	500	80	D <sup>2</sup> PAK/TO-263	Fig. 12		
SB8100D	100	8.0	100	150	0.85	8.0	500	100	D <sup>2</sup> PAK/TO-263	Fig. 12		
SB820DC	20	8.0	100	75	0.55	4.0	500	20	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB830DC	30	8.0	100	75	0.55	4.0	500	30	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB840DC	40	8.0	100	75	0.55	4.0	500	40	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB850DC	50	8.0	100	75	0.75	4.0	500	50	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB860DC	60	8.0	100	75	0.75	4.0	500	60	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB880DC	80	8.0	100	75	0.85	4.0	500	80	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB8100DC	100	8.0	100	75	0.85	4.0	500	100	D <sup>2</sup> PAK/TO-263	Fig. 13		
SD820T	20	8.0	85	85	0.55	8.0	200	20	TO-251AB	Fig. 3		
SD830T	30	8.0	85	85	0.55	8.0	200	30	TO-251AB	Fig. 3		
SD840T	40	8.0	85	85	0.55	8.0	200	40	TO-251AB	Fig. 3		
SD850T	50	8.0	85	85	0.75	8.0	200	50	TO-251AB	Fig. 3		
SD860T	60	8.0	85	85	0.75	8.0	200	60	TO-251AB	Fig. 3		
SD880T	80	8.0	85	85	0.85	8.0	200	80	TO-251AB	Fig. 3		
SD8100T	100	8.0	85	85	0.85	8.0	200	100	TO-251AB	Fig. 3		



# Schottky Barrier Rectifiers (continued)



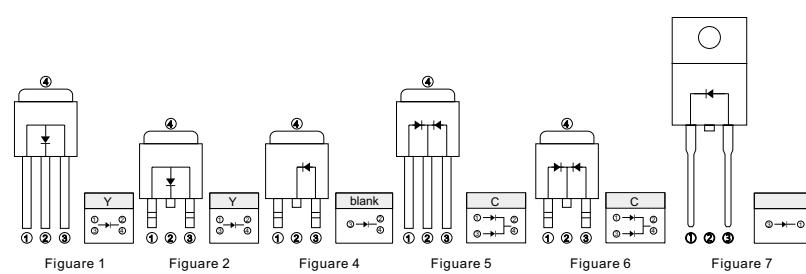
Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package	Circuit Figure
	V <sub>RRM</sub>	I <sub>O</sub> @ T	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>		I <sub>R</sub> @ V <sub>R</sub>				
	V	A	°C	A	V	A	μA	V		
<b>8.0 AMP Schottky Barrier Rectifiers --continued</b>										
SD820CT	20	8.0	85	85	0.55	4.0	200	20	TO-251AB	Fig. 5
SD830CT	30	8.0	85	85	0.55	4.0	200	30	TO-251AB	Fig. 5
SD840CT	40	8.0	85	85	0.55	4.0	200	40	TO-251AB	Fig. 5
SD860CT	60	8.0	85	85	0.75	4.0	200	60	TO-251AB	Fig. 5
SD880CT	80	8.0	85	85	0.85	4.0	200	80	TO-251AB	Fig. 5
SD8100CT	100	8.0	85	85	0.85	4.0	200	100	TO-251AB	Fig. 5
SD820YT	20	8.0	85	85	0.55	8.0	200	20	TO-251AB	Fig. 1
SD830YT	30	8.0	85	85	0.55	8.0	200	30	TO-251AB	Fig. 1
SD840YT	40	8.0	85	85	0.55	8.0	200	40	TO-251AB	Fig. 1
SD860YT	60	8.0	85	85	0.75	8.0	200	60	TO-251AB	Fig. 1
SD880YT	80	8.0	85	85	0.85	8.0	200	80	TO-251AB	Fig. 1
SD8100YT	100	8.0	85	85	0.85	8.0	200	100	TO-251AB	Fig. 1
SD820S	20	8.0	85	85	0.55	8.0	200	20	TO-252	Fig. 4
SD830S	30	8.0	85	85	0.55	8.0	200	30	TO-252	Fig. 4
SD840S	40	8.0	85	85	0.55	8.0	200	40	TO-252	Fig. 4
SD850S	50	8.0	85	85	0.75	8.0	200	50	TO-252	Fig. 4
SD860S	60	8.0	85	85	0.75	8.0	200	60	TO-252	Fig. 4
SD880S	80	8.0	85	85	0.85	8.0	200	80	TO-252	Fig. 4
SD8100S	100	8.0	85	85	0.85	8.0	200	100	TO-252	Fig. 4
SD820CS	20	8.0	85	85	0.55	4.0	200	20	TO-252	Fig. 6
SD830CS	30	8.0	85	85	0.55	4.0	200	30	TO-252	Fig. 6
SD840CS	40	8.0	85	85	0.55	4.0	200	40	TO-252	Fig. 6
SD860CS	60	8.0	85	85	0.75	4.0	200	60	TO-252	Fig. 6
SD880CS	80	8.0	85	85	0.85	4.0	200	80	TO-252	Fig. 6
SD8100CS	100	8.0	85	85	0.85	4.0	200	100	TO-252	Fig. 6
SD820YS	20	8.0	85	85	0.55	8.0	200	20	TO-252	Fig. 2
SD830YS	30	8.0	85	85	0.55	8.0	200	30	TO-252	Fig. 2
SD840YS	40	8.0	85	85	0.55	8.0	200	40	TO-252	Fig. 2
SD860YS	60	8.0	85	85	0.75	8.0	200	60	TO-252	Fig. 2
SD880YS	80	8.0	85	85	0.85	8.0	200	80	TO-252	Fig. 2
SD8100YS	100	8.0	85	85	0.85	8.0	200	100	TO-252	Fig. 2
SD1020T	20	10.0	100	100	0.55	10.0	200	20	TO-251AB	Fig. 3
SD1030T	30	10.0	100	100	0.55	10.0	200	30	TO-251AB	Fig. 3
SD1040T	40	10.0	100	100	0.55	10.0	200	40	TO-251AB	Fig. 3
SD1050T	50	10.0	100	100	0.75	10.0	200	50	TO-251AB	Fig. 3
SD1060T	60	10.0	100	100	0.75	10.0	200	60	TO-251AB	Fig. 3
SD1080T	80	10.0	100	100	0.85	10.0	200	80	TO-251AB	Fig. 3
SD10100T	100	10.0	100	100	0.85	10.0	200	100	TO-251AB	Fig. 3



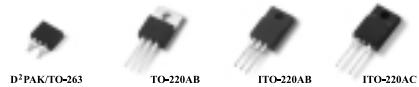
# Schottky Barrier Rectifiers (continued)



Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package	Circuit Figure		
	V <sub>RRM</sub>	I <sub>O</sub> @ T		I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>		I <sub>R</sub> @ V <sub>R</sub>					
	V	A	°C	A	V	A	μA	V				
<b>10.0 AMP Schottky Barrier Rectifiers</b>												
SD1020CT	20	10.0	100	100	0.55	5.0	200	20	TO-251AB	Fig. 5		
SD1030CT	30	10.0	100	100	0.55	5.0	200	30	TO-251AB	Fig. 5		
SD1040CT	40	10.0	100	100	0.55	5.0	200	40	TO-251AB	Fig. 5		
SD1050CT	50	10.0	100	100	0.75	5.0	200	50	TO-251AB	Fig. 5		
SD1060CT	60	10.0	100	100	0.75	5.0	200	60	TO-251AB	Fig. 5		
SD1080CT	80	10.0	100	100	0.85	5.0	200	80	TO-251AB	Fig. 5		
SD10100CT	100	10.0	100	100	0.85	5.0	200	100	TO-251AB	Fig. 5		
SD1020YT	20	10.0	100	100	0.55	10.0	200	20	TO-251AB	Fig. 1		
SD1030YT	30	10.0	100	100	0.55	10.0	200	30	TO-251AB	Fig. 1		
SD1040YT	40	10.0	100	100	0.55	10.0	200	40	TO-251AB	Fig. 1		
SD1050YT	50	10.0	100	100	0.75	10.0	200	50	TO-251AB	Fig. 1		
SD1060YT	60	10.0	100	100	0.75	10.0	200	60	TO-251AB	Fig. 1		
SD1080YT	80	10.0	100	100	0.85	10.0	200	80	TO-251AB	Fig. 1		
SD10100YT	100	10.0	100	100	0.85	10.0	200	100	TO-251AB	Fig. 1		
SD1020S	20	10.0	100	100	0.55	10.0	200	20	TO-252	Fig. 4		
SD1030S	30	10.0	100	100	0.55	10.0	200	30	TO-252	Fig. 4		
SD1040S	40	10.0	100	100	0.55	10.0	200	40	TO-252	Fig. 4		
SD1050S	50	10.0	100	100	0.75	10.0	200	50	TO-252	Fig. 4		
SD1060S	60	10.0	100	100	0.75	10.0	200	60	TO-252	Fig. 4		
SD1080S	80	10.0	100	100	0.85	10.0	200	80	TO-252	Fig. 4		
SD10100S	100	10.0	100	100	0.85	10.0	200	100	TO-252	Fig. 4		
SD1020CS	20	10.0	100	100	0.55	5.0	200	20	TO-252	Fig. 6		
SD1030CS	30	10.0	100	100	0.55	5.0	200	30	TO-252	Fig. 6		
SD1040CS	40	10.0	100	100	0.55	5.0	200	40	TO-252	Fig. 6		
SD1050CS	50	10.0	100	100	0.75	5.0	200	50	TO-252	Fig. 6		
SD1060CS	60	10.0	100	100	0.75	5.0	200	60	TO-252	Fig. 6		
SD1080CS	80	10.0	100	100	0.85	5.0	200	80	TO-252	Fig. 6		
SD10100CS	100	10.0	100	100	0.85	5.0	200	100	TO-252	Fig. 6		
SD1020YS	20	10.0	100	100	0.55	10.0	200	20	TO-252	Fig. 2		
SD1030YS	30	10.0	100	100	0.55	10.0	200	30	TO-252	Fig. 2		
SD1040YS	40	10.0	100	100	0.55	10.0	200	40	TO-252	Fig. 2		
SD1050YS	50	10.0	100	100	0.75	10.0	200	50	TO-252	Fig. 2		
SD1060YS	60	10.0	100	100	0.75	10.0	200	60	TO-252	Fig. 2		
SD1080YS	80	10.0	100	100	0.85	10.0	200	80	TO-252	Fig. 2		
SD10100YS	100	10.0	100	100	0.85	10.0	200	100	TO-252	Fig. 2		
SB1020	20	10.0	100	150	0.55	10.0	500	20	TO-220AC	Fig. 7		
SB1030	30	10.0	100	150	0.55	10.0	500	30	TO-220AC	Fig. 7		
SB1040	40	10.0	100	150	0.55	10.0	500	40	TO-220AC	Fig. 7		
SB1050	50	10.0	100	150	0.75	10.0	500	50	TO-220AC	Fig. 7		
SB1060	60	10.0	100	150	0.75	10.0	500	60	TO-220AC	Fig. 7		
SB1080	80	10.0	100	150	0.85	10.0	500	80	TO-220AC	Fig. 7		
SB10100	100	10.0	100	150	0.85	10.0	500	100	TO-220AC	Fig. 7		



# Schottky Barrier Rectifiers (continued)



Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (A)		Max. Peak Forward Surge Current (A)	Forward Voltage Drop		Max. Reverse Current (mA)		Package	Circuit Figure		
	V <sub>RRM</sub>	I <sub>O</sub> @ T		I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>		I <sub>R</sub> @ V <sub>R</sub>					
	V	A	°C	A	V	A	μA	V				
<b>10.0 AMP Schottky Barrier Rectifiers --continued</b>												
SB1020F	20	10.0	100	150	0.55	10.0	500	20	ITO-220AC	Fig. 8		
SB1030F	30	10.0	100	150	0.55	10.0	500	30	ITO-220AC	Fig. 8		
SB1040F	40	10.0	100	150	0.55	10.0	500	40	ITO-220AC	Fig. 8		
SB1050F	50	10.0	100	150	0.75	10.0	500	50	ITO-220AC	Fig. 8		
SB1060F	60	10.0	100	150	0.75	10.0	500	60	ITO-220AC	Fig. 8		
SB1080F	80	10.0	100	150	0.85	10.0	500	80	ITO-220AC	Fig. 8		
SB10100F	100	10.0	100	150	0.85	10.0	500	100	ITO-220AC	Fig. 8		
SB1020CT	20	10.0	100	150	0.55	5.0	500	20	TO-220AB	Fig. 9		
SB1030CT	30	10.0	100	150	0.55	5.0	500	30	TO-220AB	Fig. 9		
SB1040CT	40	10.0	100	150	0.55	5.0	500	40	TO-220AB	Fig. 9		
SB1050CT	50	10.0	100	150	0.75	5.0	500	50	TO-220AB	Fig. 9		
SB1060CT	60	10.0	100	150	0.75	5.0	500	60	TO-220AB	Fig. 9		
SB1080CT	80	10.0	100	150	0.85	5.0	500	80	TO-220AB	Fig. 9		
SB10100CT	100	10.0	100	150	0.85	5.0	500	100	TO-220AB	Fig. 9		
SB1020FCT	20	10.0	100	150	0.55	5.0	500	20	ITO-220AB	Fig. 10		
SB1030FCT	30	10.0	100	150	0.55	5.0	500	30	ITO-220AB	Fig. 10		
SB1040FCT	40	10.0	100	150	0.55	5.0	500	40	ITO-220AB	Fig. 10		
SB1050FCT	50	10.0	100	150	0.75	5.0	500	50	ITO-220AB	Fig. 10		
SB1060FCT	60	10.0	100	150	0.75	5.0	500	60	ITO-220AB	Fig. 10		
SB1080FCT	80	10.0	100	150	0.85	5.0	500	80	ITO-220AB	Fig. 10		
SB10100FCT	100	10.0	100	150	0.85	5.0	500	100	ITO-220AB	Fig. 10		
SB1020DC	20	10.0	100	150	0.55	5.0	500	20	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB1030DC	30	10.0	100	150	0.55	5.0	500	30	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB1040DC	40	10.0	100	150	0.55	5.0	500	40	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB1050DC	50	10.0	100	150	0.75	5.0	500	50	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB1060DC	60	10.0	100	150	0.75	5.0	500	60	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB1080DC	80	10.0	100	150	0.85	5.0	500	80	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB10100DC	100	10.0	100	150	0.85	5.0	500	100	D <sup>2</sup> PAK/TO-263	Fig. 13		
<b>16.0 AMP Schottky Barrier Rectifiers</b>												
SB1620CT	20	16	90	150	0.55	8.0	500	20	TO-220AB	Fig. 9		
SB1630CT	30	16	90	150	0.55	8.0	500	30	TO-220AB	Fig. 9		
SB1640CT	40	16	90	150	0.55	8.0	500	40	TO-220AB	Fig. 9		
SB1650CT	50	16	90	150	0.75	8.0	500	50	TO-220AB	Fig. 9		
SB1660CT	60	16	90	150	0.75	8.0	500	60	TO-220AB	Fig. 9		
SB1680CT	80	16	90	150	0.85	8.0	500	80	TO-220AB	Fig. 9		
SB16100CT	100	16	90	150	0.85	8.0	500	100	TO-220AB	Fig. 9		

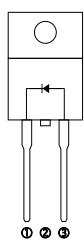


Figure 8

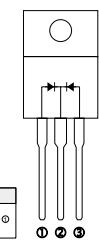


Figure 9

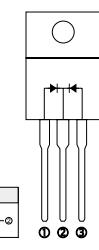


Figure 10

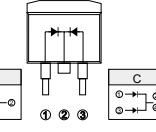


Figure 13

## Schottky Barrier Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package	Circuit Figure		
	V <sub>RRM</sub>	I <sub>O</sub> @ T		I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>		I <sub>R</sub> @ V <sub>R</sub>					
	V	A	°C	A	V	A	μA	V				
<b>16.0 AMP Schottky Barrier Rectifiers --continued</b>												
SB1620FCT	20	16	90	150	0.55	8.0	500	20	ITO-220AB	Fig. 10		
SB1630FCT	30	16	90	150	0.55	8.0	500	30	ITO-220AB	Fig. 10		
SB1640FCT	40	16	90	150	0.55	8.0	500	40	ITO-220AB	Fig. 10		
SB1650FCT	50	16	90	150	0.75	8.0	500	50	ITO-220AB	Fig. 10		
SB1660FCT	60	16	90	150	0.75	8.0	500	60	ITO-220AB	Fig. 10		
SB1680FCT	80	16	90	150	0.85	8.0	500	80	ITO-220AB	Fig. 10		
SB16100FCT	100	16	90	150	0.85	8.0	500	100	ITO-220AB	Fig. 10		
SB1620DC	20	16	90	150	0.55	8.0	500	20	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB1630DC	30	16	90	150	0.55	8.0	500	30	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB1640DC	40	16	90	150	0.55	8.0	500	40	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB1650DC	50	16	90	150	0.75	8.0	500	50	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB1660DC	60	16	90	150	0.75	8.0	500	60	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB1680DC	80	16	90	150	0.85	8.0	500	80	D <sup>2</sup> PAK/TO-263	Fig. 13		
SB16100DC	100	16	90	150	0.85	8.0	500	100	D <sup>2</sup> PAK/TO-263	Fig. 13		
<b>20.0 AMP Schottky Barrier Rectifiers</b>												
SB2020CT	20	20	90	200	0.55	10.0	500	20	TO-220AB	Fig. 9		
SB2030CT	30	20	90	200	0.55	10.0	500	30	TO-220AB	Fig. 9		
SB2040CT	40	20	90	200	0.55	10.0	500	40	TO-220AB	Fig. 9		
SB2050CT	50	20	90	200	0.75	10.0	500	50	TO-220AB	Fig. 9		
SB2060CT	60	20	90	200	0.75	10.0	500	60	TO-220AB	Fig. 9		
SB2080CT	80	20	90	200	0.85	10.0	500	80	TO-220AB	Fig. 9		
SB20100CT	100	20	90	200	0.85	10.0	500	100	TO-220AB	Fig. 9		
SB2020FCT	20	20	90	200	0.55	10.0	500	20	ITO-220AB	Fig. 10		
SB2030FCT	30	20	90	200	0.55	10.0	500	30	ITO-220AB	Fig. 10		
SB2040FCT	40	20	90	200	0.55	10.0	500	40	ITO-220AB	Fig. 10		
SB2050FCT	50	20	90	200	0.75	10.0	500	50	ITO-220AB	Fig. 10		
SB2060FCT	60	20	90	200	0.75	10.0	500	60	ITO-220AB	Fig. 10		
SB2080FCT	80	20	90	200	0.85	10.0	500	80	ITO-220AB	Fig. 10		
SB20100FCT	100	20	90	200	0.85	10.0	500	100	ITO-220AB	Fig. 10		



D<sup>2</sup>PAK/TO-263

TO-220AB

ITO-220AB

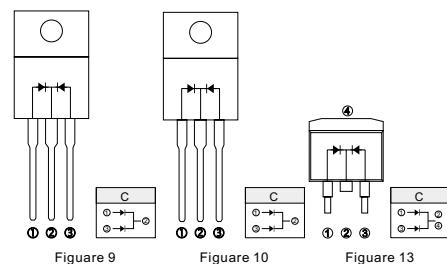


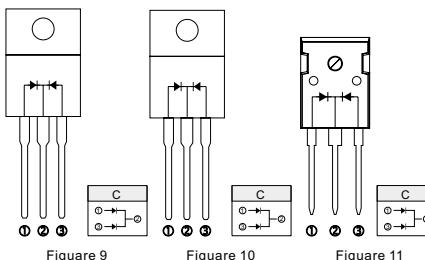
Figure 9

Figure 10

Figure 13

## Schottky Barrier Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package	Circuit Figure		
	V <sub>RRM</sub>	I <sub>O</sub> @ T		I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>		I <sub>R</sub> @ V <sub>R</sub>					
	V	A	°C	A	V	A	μA	V				
<b>25.0 AMP Schottky Barrier Rectifiers</b>												
SB2520CT	20	25	90	200	0.55	12.5	500	20	TO-220AB	Fig. 9		
SB2530CT	30	25	90	200	0.55	12.5	500	30	TO-220AB	Fig. 9		
SB2540CT	40	25	90	200	0.55	12.5	500	40	TO-220AB	Fig. 9		
SB2550CT	50	25	90	200	0.75	12.5	500	50	TO-220AB	Fig. 9		
SB2560CT	60	25	90	200	0.75	12.5	500	60	TO-220AB	Fig. 9		
SB2580CT	80	25	90	200	0.85	12.5	500	80	TO-220AB	Fig. 9		
SB25100CT	100	25	90	200	0.85	12.5	500	100	TO-220AB	Fig. 9		
SB2520FCT	20	25	90	200	0.55	12.5	500	20	ITO-220AB	Fig. 10		
SB2530FCT	30	25	90	200	0.55	12.5	500	30	ITO-220AB	Fig. 10		
SB2540FCT	40	25	90	200	0.55	12.5	500	40	ITO-220AB	Fig. 10		
SB2550FCT	50	25	90	200	0.75	12.5	500	50	ITO-220AB	Fig. 10		
SB2560FCT	60	25	90	200	0.75	12.5	500	60	ITO-220AB	Fig. 10		
SB2580FCT	80	25	90	200	0.85	12.5	500	80	ITO-220AB	Fig. 10		
SB25100FCT	100	25	90	200	0.85	12.5	500	100	ITO-220AB	Fig. 10		
<b>30.0 AMP Schottky Barrier Rectifiers</b>												
SB3020CT <small>NEW</small>	20	30	90	275	0.55	15.0	500	20	TO-3P	Fig. 11		
SB3030CT <small>NEW</small>	30	30	90	275	0.55	15.0	500	30	TO-3P	Fig. 11		
SB3040CT <small>NEW</small>	40	30	90	275	0.55	15.0	500	40	TO-3P	Fig. 11		
SB3050CT <small>NEW</small>	50	30	90	275	0.75	15.0	500	50	TO-3P	Fig. 11		
SB3060CT <small>NEW</small>	60	30	90	275	0.75	15.0	500	60	TO-3P	Fig. 11		
MBR3030CT <small>NEW</small>	30	30	105	200	0.60	15.0	100	30	TO-3P	Fig. 11		
MBR3035CT <small>NEW</small>	35	30	105	200	0.60	15.0	100	35	TO-3P	Fig. 11		
MBR3045CT <small>NEW</small>	45	30	105	200	0.60	15.0	100	45	TO-3P	Fig. 11		
MBR3050CT <small>NEW</small>	50	30	105	200	0.75	15.0	100	50	TO-3P	Fig. 11		
MBR3060CT <small>NEW</small>	60	30	105	200	0.75	15.0	100	60	TO-3P	Fig. 11		
<b>40.0 AMP Schottky Barrier Rectifiers</b>												
SB4020CT <small>NEW</small>	20	40	90	350	0.55	20.0	500	20	TO-3P	Fig. 11		
SB4030CT <small>NEW</small>	30	40	90	350	0.55	20.0	500	30	TO-3P	Fig. 11		
SB4040CT <small>NEW</small>	40	40	90	350	0.55	20.0	500	40	TO-3P	Fig. 11		
SB4050CT <small>NEW</small>	50	40	90	350	0.75	20.0	500	50	TO-3P	Fig. 11		
SB4060CT <small>NEW</small>	60	40	90	350	0.75	20.0	500	60	TO-3P	Fig. 11		
MBR4030CT <small>NEW</small>	30	40	105	400	0.60	20.0	100	30	TO-3P	Fig. 11		
MBR4035CT <small>NEW</small>	35	40	105	400	0.60	20.0	100	35	TO-3P	Fig. 11		
MBR4045CT <small>NEW</small>	45	40	105	400	0.60	20.0	100	45	TO-3P	Fig. 11		
MBR4050CT <small>NEW</small>	50	40	105	400	0.75	20.0	100	50	TO-3P	Fig. 11		
MBR4060CT <small>NEW</small>	60	40	105	400	0.75	20.0	100	60	TO-3P	Fig. 11		



## Schottky Barrier Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (t)		Package	Circuit Figure
	V <sub>RRM</sub>	I <sub>O</sub> @ T	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>					
	V	A	°C	A	V	A	μA	V		
<b>50.0 AMP Schottky Barrier Rectifiers</b>										
SB5020CT 	20	50	90	400	0.55	25.0	500	20	TO-3P	Fig. 11
SB5030CT 	30	50	90	400	0.55	25.0	500	30	TO-3P	Fig. 11
SB5040CT 	40	50	90	400	0.55	25.0	500	40	TO-3P	Fig. 11
SB5050CT 	50	50	90	400	0.75	25.0	500	50	TO-3P	Fig. 11
SB5060CT 	60	50	90	400	0.75	25.0	500	60	TO-3P	Fig. 11
<b>60.0 AMP Schottky Barrier Rectifiers</b>										
SB6020CT 	20	60	90	500	0.55	30.0	500	20	TO-3P	Fig. 11
SB6030CT 	30	60	90	500	0.55	30.0	500	30	TO-3P	Fig. 11
SB6040CT 	40	60	90	500	0.55	30.0	500	40	TO-3P	Fig. 11
SB6050CT 	50	60	90	500	0.75	30.0	500	50	TO-3P	Fig. 11
SB6060CT 	60	60	90	500	0.75	30.0	500	60	TO-3P	Fig. 11



TO-3P

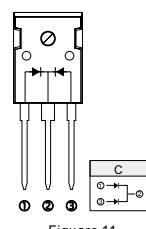
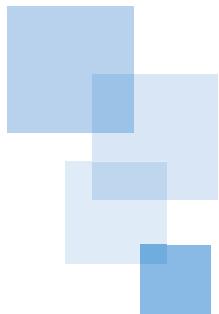
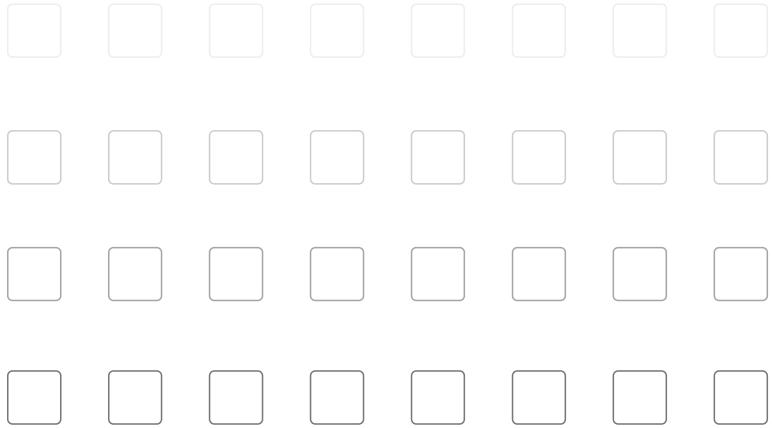


Figure 11



# Transient Voltage Suppressors

## Product Series

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- 400W Transient Voltage Suppressors ..... Page 52
- 500W Transient Voltage Suppressors ..... Page 56
- 600W Transient Voltage Suppressors ..... Page 58
- 1500W Transient Voltage Suppressors ..... Page 62
- 3000W Transient Voltage Suppressors ..... Page 66
- 5000W Transient Voltage Suppressors ..... Page 70
- 15000W Transient Voltage Suppressors ..... Page 72

# Transient Voltage Suppressors

Part Number		Reverse Stand-off Voltage VRWM	Breakdown Voltage		Test Current IT	Reverse Leakage		Max. Clamp Voltage Vc @ IPP	Peak Pulse Current IPP	Package		
			V <sub>BR</sub> @ IT			I <sub>R</sub> @ VRWM						
UNI	BI		Min.	Max.		UNI	BI					
V	V	mA	µA	µA	V	A						
<b>400W Transient Voltage Suppressor</b>												
P4KE6.8	P4KE6.8C	5.50	6.12	7.48	10	1000	2000	10.8	38.0	DO-41		
P4KE6.8A	P4KE6.8CA	5.80	6.45	7.14	10	1000	2000	10.5	40.0	DO-41		
P4KE7.5	P4KE7.5C	6.05	6.75	8.25	10	500	1000	11.7	36.0	DO-41		
P4KE7.5A	P4KE7.5CA	6.40	7.13	7.88	10	500	1000	11.3	37.0	DO-41		
P4KE8.2	P4KE8.2C	6.63	7.38	9.02	10	200	400	12.5	33.0	DO-41		
P4KE8.2A	P4KE8.2CA	7.02	7.79	8.61	10	200	400	12.1	35.0	DO-41		
P4KE9.1	P4KE9.1C	7.37	8.19	10.0	1.0	50	100	13.8	30.0	DO-41		
P4KE9.1A	P4KE9.1CA	7.78	8.65	9.5	1.0	50	100	13.4	31.0	DO-41		
P4KE10	P4KE10C	8.10	9.00	11.0	1.0	10	20	15.0	28.0	DO-41		
P4KE10A	P4KE10CA	8.55	9.50	10.5	1.0	10	20	14.5	29.0	DO-41		
P4KE11	P4KE11C	8.92	9.90	12.1	1.0	5	10	16.2	26.0	DO-41		
P4KE11A	P4KE11CA	9.40	10.5	11.6	1.0	5	10	15.6	27.0	DO-41		
P4KE12	P4KE12C	9.72	10.8	13.2	1.0	5	5	17.3	24.0	DO-41		
P4KE12A	P4KE12CA	10.2	11.4	12.6	1.0	5	5	16.7	25.0	DO-41		
P4KE13	P4KE13C	10.5	11.7	14.3	1.0	5	5	19.0	22.0	DO-41		
P4KE13A	P4KE13CA	11.1	12.4	13.7	1.0	5	5	18.2	23.0	DO-41		
P4KE15	P4KE15C	12.1	13.5	16.5	1.0	5	5	22.0	19.0	DO-41		
P4KE15A	P4KE15CA	12.8	14.3	15.8	1.0	5	5	21.2	20.0	DO-41		
P4KE16	P4KE16C	12.9	14.4	17.6	1.0	5	5	23.5	18.0	DO-41		
P4KE16A	P4KE16CA	13.6	15.2	16.8	1.0	5	5	22.5	19.0	DO-41		
P4KE18	P4KE18C	14.5	16.2	19.8	1.0	5	5	26.5	16.0	DO-41		
P4KE18A	P4KE18CA	15.3	17.1	18.9	1.0	5	5	25.2	17.0	DO-41		
P4KE20	P4KE20C	16.2	18.0	22.0	1.0	5	5	29.1	14.0	DO-41		
P4KE20A	P4KE20CA	17.1	19.0	21.0	1.0	5	5	27.7	15.0	DO-41		
P4KE22	P4KE22C	17.8	19.8	24.2	1.0	5	5	31.9	13.0	DO-41		
P4KE22A	P4KE22CA	18.8	20.9	23.1	1.0	5	5	30.6	14.0	DO-41		
P4KE24	P4KE24C	19.4	21.6	26.4	1.0	5	5	34.7	12.0	DO-41		
P4KE24A	P4KE24CA	20.5	22.8	25.2	1.0	5	5	33.2	13.0	DO-41		
P4KE27	P4KE27C	21.8	24.3	29.7	1.0	5	5	39.1	11.0	DO-41		
P4KE27A	P4KE27CA	23.1	25.7	28.4	1.0	5	5	37.5	11.2	DO-41		
P4KE30	P4KE30C	24.3	27.0	33.0	1.0	5	5	43.5	10	DO-41		
P4KE30A	P4KE30CA	25.6	28.5	31.5	1.0	5	5	41.4	10	DO-41		
P4KE33	P4KE33C	26.8	29.7	36.3	1.0	5	5	47.7	9.0	DO-41		
P4KE33A	P4KE33CA	28.2	31.4	34.7	1.0	5	5	45.7	9.0	DO-41		
P4KE36	P4KE36C	29.1	32.4	39.6	1.0	5	5	52.0	8.0	DO-41		
P4KE36A	P4KE36CA	30.8	34.2	37.8	1.0	5	5	49.9	8.4	DO-41		
P4KE39	P4KE39C	31.6	35.1	42.9	1.0	5	5	56.4	7.4	DO-41		
P4KE39A	P4KE39CA	33.3	37.1	41.0	1.0	5	5	53.9	7.8	DO-41		
P4KE43	P4KE43C	34.8	38.7	47.3	1.0	5	5	61.9	6.8	DO-41		
P4KE43A	P4KE43CA	36.8	40.9	45.2	1.0	5	5	59.3	7.1	DO-41		
P4KE47	P4KE47C	38.1	42.3	51.7	1.0	5	5	67.8	6.2	DO-41		
P4KE47A	P4KE47CA	40.2	44.7	49.4	1.0	5	5	64.8	5.0	DO-41		

## Transient Voltage Suppressors (continued)

Part Number		Reverse Stand-off Voltage VRWM	Breakdown Voltage		Test Current IT	Reverse Leakage		Max. Clamp Voltage Vc @ IPP	Peak Pulse Current IPP	Package
			V <sub>BR</sub> @ IT Min.	V <sub>BR</sub> @ IT Max.		I <sub>R</sub> @ VRWM UNI	I <sub>R</sub> @ VRWM BI			
UNI	BI	V	V	V	mA	µA	µA	V	A	
<b>400W Transient Voltage Suppressor --continued</b>										
P4KE51	P4KE51C	41.3	45.9	56.1	1.0	5	5	73.5	5.7	DO-41
P4KE51A	P4KE51CA	43.6	48.5	53.6	1.0	5	5	70.1	6.0	DO-41
P4KE56	P4KE56C	45.6	50.4	61.6	1.0	5	5	80.5	5.2	DO-41
P4KE56A	P4KE56CA	47.8	53.2	58.8	1.0	5	5	77.0	5.5	DO-41
P4KE62	P4KE62C	50.2	55.8	68.2	1.0	5	5	89.0	4.7	DO-41
P4KE62A	P4KE62CA	53.0	58.9	65.1	1.0	5	5	85.0	5.0	DO-41
P4KE68	P4KE68C	55.1	61.2	74.8	1.0	5	5	98.0	4.3	DO-41
P4KE68A	P4KE68CA	58.1	64.6	71.4	1.0	5	5	92.0	4.6	DO-41
P4KE75	P4KE75C	60.7	67.5	82.5	1.0	5	5	108	3.9	DO-41
P4KE75A	P4KE75CA	64.1	71.3	78.8	1.0	5	5	103	4.1	DO-41
P4KE82	P4KE82C	66.4	73.8	90.2	1.0	5	5	118	3.6	DO-41
P4KE82A	P4KE82CA	70.1	77.9	86.1	1.0	5	5	113	3.7	DO-41
P4KE91	P4KE91C	73.7	81.9	100	1.0	5	5	131	3.2	DO-41
P4KE91A	P4KE91CA	77.8	86.5	95.5	1.0	5	5	125	3.4	DO-41
P4KE100	P4KE100C	81.0	90.0	110	1.0	5	5	144	2.9	DO-41
P4KE100A	P4KE100CA	85.5	95.0	105	1.0	5	5	137	3.1	DO-41
P4KE110	P4KE110C	89.2	99.0	121	1.0	5	5	158	2.7	DO-41
P4KE110A	P4KE110CA	94.0	105	116	1.0	5	5	152	2.8	DO-41
P4KE120	P4KE120C	97.2	108	132	1.0	5	5	173	2.4	DO-41
P4KE120A	P4KE120CA	102	114	126	1.0	5	5	165	2.5	DO-41
P4KE130	P4KE130C	105	117	143	1.0	5	5	187	2.2	DO-41
P4KE130A	P4KE130CA	111	124	137	1.0	5	5	179	2.3	DO-41
P4KE150	P4KE150C	121	135	165	1.0	5	5	215	2.0	DO-41
P4KE150A	P4KE150CA	128	143	158	1.0	5	5	207	2.0	DO-41
P4KE160	P4KE160C	130	144	176	1.0	5	5	230	1.8	DO-41
P4KE160A	P4KE160CA	136	152	168	1.0	5	5	219	1.9	DO-41
P4KE170	P4KE170C	138	153	187	1.0	5	5	244	1.7	DO-41
P4KE170A	P4KE170CA	145	162	179	1.0	5	5	234	1.8	DO-41
P4KE180	P4KE180C	146	162	198	1.0	5	5	258	1.6	DO-41
P4KE180A	P4KE180CA	154	171	189	1.0	5	5	246	1.7	DO-41
P4KE200	P4KE200C	162	180	220	1.0	5	5	287	1.5	DO-41
P4KE200A	P4KE200CA	171	190	210	1.0	5	5	274	1.53	DO-41
P4KE220	P4KE220C	175	198	242	1.0	5	5	344	1.16	DO-41
P4KE220A	P4KE220CA	185	209	231	1.0	5	5	328	1.22	DO-41
P4KE250	P4KE250C	202	225	275	1.0	5	5	360	1.11	DO-41
P4KE250A	P4KE250CA	214	237	263	1.0	5	5	344	1.16	DO-41
P4KE300	P4KE300C	243	270	330	1.0	5	5	430	0.93	DO-41
P4KE300A	P4KE300CA	256	285	315	1.0	5	5	414	0.97	DO-41
P4KE350	P4KE350C	284	315	385	1.0	5	5	504	0.79	DO-41
P4KE350A	P4KE350CA	300	332	368	1.0	5	5	482	0.83	DO-41
P4KE400	P4KE400C	324	360	440	1.0	5	5	574	0.70	DO-41
P4KE400A	P4KE400CA	342	380	420	1.0	5	5	548	0.73	DO-41
P4KE440	P4KE440C	356	396	484	1.0	5	5	631	0.66	DO-41
P4KE440A	P4KE440CA	376	418	462	1.0	5	5	600	0.69	DO-41

T.V.S.

TRANSIENT VOLTAGE SUPPRESSORS

# Transient Voltage Suppressors (continued)

SMA/DO-214AC

Part Number		Reverse Stand-off Voltage VRWM	Breakdown Voltage		Test Current IT	Reverse Leakage		Max. Clamp Voltage Vc @ IPP	Peak Pulse Current IPP	Package				
			VBR @ IT			IR @ VRWM								
			Min.	Max.		UNI	BI							
UNI	BI	V	V	V	mA	µA	µA	V	A					
<b>400W Transient Voltage Suppressor</b>														
P4SMAJ5.0	P4SMAJ5.0C	5.0	6.40	7.55	10	800	1600	9.6	41.6	SMA/DO-214AC				
P4SMAJ5.0A	P4SMAJ5.0CA	5.0	6.40	7.25	10	800	1600	9.2	43.5	SMA/DO-214AC				
P4SMAJ6.0	P4SMAJ6.0C	6.0	6.67	8.45	10	800	1600	11.4	35.1	SMA/DO-214AC				
P4SMAJ6.0A	P4SMAJ6.0CA	6.0	6.67	7.67	10	800	1600	10.3	38.8	SMA/DO-214AC				
P4SMAJ6.5	P4SMAJ6.5C	6.5	7.22	9.14	10	500	1000	12.3	32.5	SMA/DO-214AC				
P4SMAJ6.5A	P4SMAJ6.5CA	6.5	7.22	8.30	10	500	1000	11.2	35.7	SMA/DO-214AC				
P4SMAJ7.0	P4SMAJ7.0C	7.0	7.78	9.86	10	200	400	13.3	30.1	SMA/DO-214AC				
P4SMAJ7.0A	P4SMAJ7.0CA	7.0	7.78	8.95	10	200	400	12.0	33.3	SMA/DO-214AC				
P4SMAJ7.5	P4SMAJ7.5C	7.5	8.33	10.67	1.0	100	200	14.3	28.0	SMA/DO-214AC				
P4SMAJ7.5A	P4SMAJ7.5CA	7.5	8.33	9.58	1.0	100	200	12.9	31.0	SMA/DO-214AC				
P4SMAJ8.0	P4SMAJ8.0C	8.0	8.89	11.30	1.0	50	100	15.0	26.5	SMA/DO-214AC				
P4SMAJ8.0A	P4SMAJ8.0CA	8.0	8.89	10.23	1.0	50	100	13.6	29.4	SMA/DO-214AC				
P4SMAJ8.5	P4SMAJ8.5C	8.5	9.44	11.92	1.0	10	20	15.9	25.1	SMA/DO-214AC				
P4SMAJ8.5A	P4SMAJ8.5CA	8.5	9.44	10.82	1.0	10	20	14.4	27.7	SMA/DO-214AC				
P4SMAJ9.0	P4SMAJ9.0C	9.0	10.0	12.6	1.0	5	10	16.9	23.6	SMA/DO-214AC				
P4SMAJ9.0A	P4SMAJ9.0CA	9.0	10.0	11.5	1.0	5	10	15.4	26.0	SMA/DO-214AC				
P4SMAJ10	P4SMAJ10C	10	11.1	14.1	1.0	5	5	18.8	21.2	SMA/DO-214AC				
P4SMAJ10A	P4SMAJ10CA	10	11.1	12.8	1.0	5	5	17.0	23.5	SMA/DO-214AC				
P4SMAJ11	P4SMAJ11C	11	12.2	15.4	1.0	5	5	20.1	20.0	SMA/DO-214AC				
P4SMAJ11A	P4SMAJ11CA	11	12.2	14.0	1.0	5	5	18.2	22.0	SMA/DO-214AC				
P4SMAJ12	P4SMAJ12C	12	13.3	16.9	1.0	5	5	22.0	18.1	SMA/DO-214AC				
P4SMAJ12A	P4SMAJ12CA	12	13.3	15.3	1.0	5	5	19.9	20.1	SMA/DO-214AC				
P4SMAJ13	P4SMAJ13C	13	14.4	18.2	1.0	5	5	23.8	16.8	SMA/DO-214AC				
P4SMAJ13A	P4SMAJ13CA	13	14.4	16.5	1.0	5	5	21.5	18.6	SMA/DO-214AC				
P4SMAJ14	P4SMAJ14C	14	15.6	19.8	1.0	5	5	25.8	15.5	SMA/DO-214AC				
P4SMAJ14A	P4SMAJ14CA	14	15.6	17.9	1.0	5	5	23.2	17.2	SMA/DO-214AC				
P4SMAJ15	P4SMAJ15C	15	16.7	21.1	1.0	5	5	26.9	14.8	SMA/DO-214AC				
P4SMAJ15A	P4SMAJ15CA	15	16.7	19.2	1.0	5	5	24.4	16.4	SMA/DO-214AC				
P4SMAJ16	P4SMAJ16C	16	17.8	22.6	1.0	5	5	28.8	13.8	SMA/DO-214AC				
P4SMAJ16A	P4SMAJ16CA	16	17.8	20.5	1.0	5	5	26.0	15.3	SMA/DO-214AC				
P4SMAJ17	P4SMAJ17C	17	18.9	23.9	1.0	5	5	30.5	13.1	SMA/DO-214AC				
P4SMAJ17A	P4SMAJ17CA	17	18.9	21.7	1.0	5	5	27.6	14.5	SMA/DO-214AC				
P4SMAJ18	P4SMAJ18C	18	20.0	25.3	1.0	5	5	32.2	12.4	SMA/DO-214AC				
P4SMAJ18A	P4SMAJ18CA	18	20.0	23.3	1.0	5	5	29.2	13.7	SMA/DO-214AC				
P4SMAJ20	P4SMAJ20C	20	22.2	28.1	1.0	5	5	35.8	11.1	SMA/DO-214AC				
P4SMAJ20A	P4SMAJ20CA	20	22.2	25.5	1.0	5	5	32.4	12.3	SMA/DO-214AC				
P4SMAJ22	P4SMAJ22C	22	24.4	30.9	1.0	5	5	39.4	10.1	SMA/DO-214AC				
P4SMAJ22A	P4SMAJ22CA	22	24.4	28.0	1.0	5	5	35.5	11.2	SMA/DO-214AC				
P4SMAJ24	P4SMAJ24C	24	26.7	33.8	1.0	5	5	43.0	9.3	SMA/DO-214AC				
P4SMAJ24A	P4SMAJ24CA	24	26.7	30.7	1.0	5	5	38.9	10.3	SMA/DO-214AC				
P4SMAJ26	P4SMAJ26C	26	28.9	36.6	1.0	5	5	46.6	8.6	SMA/DO-214AC				
P4SMAJ26A	P4SMAJ26CA	26	28.9	33.2	1.0	5	5	42.1	9.5	SMA/DO-214AC				
P4SMAJ28	P4SMAJ28C	28	31.1	39.4	1.0	5	5	50.0	8.0	SMA/DO-214AC				
P4SMAJ28A	P4SMAJ28CA	28	31.1	35.8	1.0	5	5	45.4	8.8	SMA/DO-214AC				
P4SMAJ30	P4SMAJ30C	30	33.3	42.2	1.0	5	5	53.5	7.5	SMA/DO-214AC				
P4SMAJ30A	P4SMAJ30CA	30	33.3	38.3	1.0	5	5	48.4	8.3	SMA/DO-214AC				
P4SMAJ33	P4SMAJ33C	33	36.7	46.5	1.0	5	5	59.0	6.8	SMA/DO-214AC				
P4SMAJ33A	P4SMAJ33CA	33	36.7	42.2	1.0	5	5	53.3	7.5	SMA/DO-214AC				
P4SMAJ36	P4SMAJ36C	36	40.0	50.7	1.0	5	5	64.3	6.2	SMA/DO-214AC				
P4SMAJ36A	P4SMAJ36CA	36	40.0	46.0	1.0	5	5	58.1	6.9	SMA/DO-214AC				
P4SMAJ40	P4SMAJ40C	40	44.4	56.3	1.0	5	5	71.4	5.6	SMA/DO-214AC				
P4SMAJ40A	P4SMAJ40CA	40	44.4	51.1	1.0	5	5	64.5	6.2	SMA/DO-214AC				

# Transient Voltage Suppressors (continued)

SMA/DO-214AC

Part Number		Reverse Stand-off Voltage	Breakdown Voltage		Test Current I <sub>T</sub>	Reverse Leakage		Max. Clamp Voltage V <sub>C</sub> @ I <sub>PP</sub>	Peak Pulse Current I <sub>PP</sub>	Package			
		V <sub>RWM</sub>	V <sub>BR</sub> @ I <sub>T</sub>			I <sub>R</sub> @ V <sub>RWM</sub>	UNI	BI					
			Min.	Max.									
UNI	BI	V	V	V	mA	μA	μA	V	A				
<b>400W Transient Voltage Suppressor --continued</b>													
P4SMAJ43	P4SMAJ43C	43	47.8	60.5	1.0	5	5	76.7	5.2	SMA/DO-214AC			
P4SMAJ43A	P4SMAJ43CA	43	47.8	54.9	1.0	5	5	69.4	5.7	SMA/DO-214AC			
P4SMAJ45	P4SMAJ45C	45	50.0	63.3	1.0	5	5	80.3	5.0	SMA/DO-214AC			
P4SMAJ45A	P4SMAJ45CA	45	50.0	57.5	1.0	5	5	72.7	5.5	SMA/DO-214AC			
P4SMAJ48	P4SMAJ48C	48	53.3	67.5	1.0	5	5	85.5	4.7	SMA/DO-214AC			
P4SMAJ48A	P4SMAJ48CA	48	53.3	61.3	1.0	5	5	77.4	5.2	SMA/DO-214AC			
P4SMAJ51	P4SMAJ51C	51	56.7	71.8	1.0	5	5	91.1	4.4	SMA/DO-214AC			
P4SMAJ51A	P4SMAJ51CA	51	56.7	65.2	1.0	5	5	82.4	4.9	SMA/DO-214AC			
P4SMAJ54	P4SMAJ54C	54	60.0	76.0	1.0	5	5	96.3	4.2	SMA/DO-214AC			
P4SMAJ54A	P4SMAJ54CA	54	60.0	69.0	1.0	5	5	87.1	4.6	SMA/DO-214AC			
P4SMAJ58	P4SMAJ58C	58	64.4	81.6	1.0	5	5	103	3.9	SMA/DO-214AC			
P4SMAJ58A	P4SMAJ58CA	58	64.4	74.1	1.0	5	5	93.6	4.3	SMA/DO-214AC			
P4SMAJ60	P4SMAJ60C	60	66.7	84.5	1.0	5	5	107	3.7	SMA/DO-214AC			
P4SMAJ60A	P4SMAJ60CA	60	66.7	76.7	1.0	5	5	96.8	4.1	SMA/DO-214AC			
P4SMAJ64	P4SMAJ64C	64	71.1	90.1	1.0	5	5	114	3.5	SMA/DO-214AC			
P4SMAJ64A	P4SMAJ64CA	64	71.1	81.8	1.0	5	5	103	3.9	SMA/DO-214AC			
P4SMAJ70	P4SMAJ70C	70	77.8	98.6	1.0	5	5	125	3.2	SMA/DO-214AC			
P4SMAJ70A	P4SMAJ70CA	70	77.8	89.5	1.0	5	5	113	3.5	SMA/DO-214AC			
P4SMAJ75	P4SMAJ75C	75	83.3	105.7	1.0	5	5	134	3.0	SMA/DO-214AC			
P4SMAJ75A	P4SMAJ75CA	75	83.3	95.8	1.0	5	5	121	3.3	SMA/DO-214AC			
P4SMAJ78	P4SMAJ78C	78	86.7	109.8	1.0	5	5	139	2.9	SMA/DO-214AC			
P4SMAJ78A	P4SMAJ78CA	78	86.7	99.7	1.0	5	5	126	2.2	SMA/DO-214AC			
P4SMAJ85	P4SMAJ85C	85	94.4	119.2	1.0	5	5	151	2.6	SMA/DO-214AC			
P4SMAJ85A	P4SMAJ85CA	85	94.4	108.2	1.0	5	5	137	2.9	SMA/DO-214AC			
P4SMAJ90	P4SMAJ90C	90	100	126.5	1.0	5	5	160	2.5	SMA/DO-214AC			
P4SMAJ90A	P4SMAJ90CA	90	100	115.5	1.0	5	5	146	2.7	SMA/DO-214AC			
P4SMAJ100	P4SMAJ100C	100	111	141.0	1.0	5	5	179	2.2	SMA/DO-214AC			
P4SMAJ100A	P4SMAJ100CA	100	111	128.0	1.0	5	5	162	2.5	SMA/DO-214AC			
P4SMAJ110	P4SMAJ110C	110	122	154.5	1.0	5	5	196	2.0	SMA/DO-214AC			
P4SMAJ110A	P4SMAJ110CA	110	122	140.5	1.0	5	5	177	2.3	SMA/DO-214AC			
P4SMAJ120	P4SMAJ120C	120	133	169.0	1.0	5	5	214	1.9	SMA/DO-214AC			
P4SMAJ120A	P4SMAJ120CA	120	133	153.0	1.0	5	5	193	2.0	SMA/DO-214AC			
P4SMAJ130	P4SMAJ130C	130	144	182.5	1.0	5	5	231	1.7	SMA/DO-214AC			
P4SMAJ130A	P4SMAJ130CA	130	144	165.5	1.0	5	5	209	1.9	SMA/DO-214AC			
P4SMAJ150	P4SMAJ150C	150	167	211.5	1.0	5	5	268	1.5	SMA/DO-214AC			
P4SMAJ150A	P4SMAJ150CA	150	167	192.5	1.0	5	5	243	1.6	SMA/DO-214AC			
P4SMAJ160	P4SMAJ160C	160	178	226.0	1.0	5	5	287	1.4	SMA/DO-214AC			
P4SMAJ160A	P4SMAJ160CA	160	178	205.0	1.0	5	5	259	1.5	SMA/DO-214AC			
P4SMAJ170	P4SMAJ170C	170	189	239.5	1.0	5	5	304	1.3	SMA/DO-214AC			
P4SMAJ170A	P4SMAJ170CA	170	189	217.5	1.0	5	5	275	1.4	SMA/DO-214AC			
P4SMAJ180	P4SMAJ180C	180	198	253.8	1.0	5	5	322	1.2	SMA/DO-214AC			
P4SMAJ180A	P4SMAJ180CA	180	198	230.4	1.0	5	5	292	1.3	SMA/DO-214AC			
P4SMAJ190	P4SMAJ190C	190	209	267.9	1.0	5	5	340	1.2	SMA/DO-214AC			
P4SMAJ190A	P4SMAJ190CA	190	209	243.2	1.0	5	5	308	1.3	SMA/DO-214AC			
P4SMAJ200	P4SMAJ200C	200	220	282.0	1.0	5	5	358	1.1	SMA/DO-214AC			
P4SMAJ200A	P4SMAJ200CA	200	220	256.0	1.0	5	5	324	1.2	SMA/DO-214AC			
P4SMAJ210	P4SMAJ210C	210	231	296.1	1.0	5	5	376	1.1	SMA/DO-214AC			
P4SMAJ210A	P4SMAJ210CA	210	231	268.8	1.0	5	5	340	1.2	SMA/DO-214AC			
P4SMAJ220	P4SMAJ220C	220	242	310.2	1.0	5	5	394	1.0	SMA/DO-214AC			
P4SMAJ220A	P4SMAJ220CA	220	242	281.6	1.0	5	5	356	1.1	SMA/DO-214AC			

T.V.S.

TRANSIENT VOLTAGE SUPPRESSORS



## Transient Voltage Suppressors (continued)

DO-15

Part Number		Reverse Stand-off Voltage VRWM	Breakdown Voltage		Test Current IT	Reverse Leakage		Max. Clamp Voltage Vc @ IPP	Peak Pulse Current IPP	Package		
			VBR @ IT			IR @ VRWM						
UNI	BI		Min.	Max.		UNI	BI					
V	V	mA	µA	µA	V	A						
<b>500W Transient Voltage Suppressor</b>												
SA5.0	SA5.0C	5.0	6.40	7.55	10	600	1200	9.6	52.3	DO-15		
SA5.0A	SA5.0CA	5.0	6.40	7.25	10	600	1200	9.2	54.3	DO-15		
SA6.0	SA6.0C	6.0	6.67	8.45	10	600	1200	11.4	43.9	DO-15		
SA6.0A	SA6.0CA	6.0	6.67	7.67	10	600	1200	10.3	48.5	DO-15		
SA6.5	SA6.5C	6.5	7.22	9.14	10	400	800	12.3	40.7	DO-15		
SA6.5A	SA6.5CA	6.5	7.22	8.30	10	400	800	11.2	44.7	DO-15		
SA7.0	SA7.0C	7.0	7.78	9.86	10	150	300	13.3	37.8	DO-15		
SA7.0A	SA7.0CA	7.0	7.78	8.95	10	150	300	12.0	41.7	DO-15		
SA7.5	SA7.5C	7.5	8.33	10.67	1.0	50	100	14.3	35.0	DO-15		
SA7.5A	SA7.5CA	7.5	8.33	9.58	1.0	50	100	12.9	38.8	DO-15		
SA8.0	SA8.0C	8.0	8.89	11.30	1.0	25	50	15.0	33.3	DO-15		
SA8.0A	SA8.0CA	8.0	8.89	10.23	1.0	25	50	13.6	36.7	DO-15		
SA8.5	SA8.5C	8.5	9.44	11.92	1.0	10	20	15.9	31.4	DO-15		
SA8.5A	SA8.5CA	8.5	9.44	10.82	1.0	10	20	14.4	34.7	DO-15		
SA9.0	SA9.0C	9.0	10.0	12.6	1.0	5	5	16.9	29.5	DO-15		
SA9.0A	SA9.0CA	9.0	10.0	11.5	1.0	5	5	15.4	32.5	DO-15		
SA10	SA10C	10	11.1	14.1	1.0	3	3	18.8	26.6	DO-15		
SA10A	SA10CA	10	11.1	12.8	1.0	3	3	17.0	29.4	DO-15		
SA11	SA11C	11	12.2	15.4	1.0	3	3	20.1	24.9	DO-15		
SA11A	SA11CA	11	12.2	14.0	1.0	3	3	18.2	27.4	DO-15		
SA12	SA12C	12	13.3	16.9	1.0	3	3	22.0	22.7	DO-15		
SA12A	SA12CA	12	13.3	15.3	1.0	3	3	19.9	25.1	DO-15		
SA13	SA13C	13	14.4	18.2	1.0	3	3	23.8	21.0	DO-15		
SA13A	SA13CA	13	14.4	16.5	1.0	3	3	21.5	23.2	DO-15		
SA14	SA14C	14	15.6	19.8	1.0	3	3	25.8	19.4	DO-15		
SA14A	SA14CA	14	15.6	17.9	1.0	3	3	23.2	21.5	DO-15		
SA15	SA15C	15	16.7	21.1	1.0	3	3	26.9	18.8	DO-15		
SA15A	SA15CA	15	16.7	19.2	1.0	3	3	24.4	20.6	DO-15		
SA16	SA16C	16	17.8	22.6	1.0	3	3	28.8	17.6	DO-15		
SA16A	SA16CA	16	17.8	20.5	1.0	3	3	26.0	19.2	DO-15		
SAJ17	SAJ17C	17	18.9	23.9	1.0	3	3	30.5	16.4	DO-15		
SA17A	SA17CA	17	18.9	21.7	1.0	3	3	27.6	16.1	DO-15		
SA18	SA18C	18	20.0	25.3	1.0	3	3	32.2	15.5	DO-15		
SA18A	SA18CA	18	20.0	23.3	1.0	3	3	29.2	17.2	DO-15		
SA20	SA20C	20	22.2	28.1	1.0	3	3	35.8	13.9	DO-15		
SA20A	SA20CA	20	22.2	25.5	1.0	3	3	32.4	15.4	DO-15		
SA22	SA22C	22	24.4	30.9	1.0	3	3	39.4	12.7	DO-15		
SA22A	SA22CA	22	24.4	28.0	1.0	3	3	35.5	14.1	DO-15		
SA24	SA24C	24	26.7	33.8	1.0	3	3	43.0	11.6	DO-15		
SA24A	SA24CA	24	26.7	30.7	1.0	3	3	38.9	12.8	DO-15		
SA26	SA26C	26	28.9	36.6	1.0	3	3	46.6	10.7	DO-15		
SA26A	SA26CA	26	28.9	33.2	1.0	3	3	42.1	11.9	DO-15		
SA28	SA28C	28	31.1	39.4	1.0	3	3	50.0	9.9	DO-15		
SA28A	SA28CA	28	31.1	35.8	1.0	3	3	45.4	11.0	DO-15		
SA30	SA30C	30	33.3	42.2	1.0	3	3	53.5	9.3	DO-15		
SA30A	SA30CA	30	33.3	38.3	1.0	3	3	48.4	10.3	DO-15		
SA33	SA33C	33	36.7	46.5	1.0	3	3	59.0	5.8	DO-15		
SA33A	SA33CA	33	36.7	42.2	1.0	3	3	53.3	9.4	DO-15		
SA36	SA36C	36	40.0	50.7	1.0	3	3	64.3	7.8	DO-15		
SA36A	SA36CA	36	40.0	46.0	1.0	3	3	58.1	8.6	DO-15		
SA40	SA40C	40	44.4	56.3	1.0	3	3	71.4	7.0	DO-15		
SA40A	SA40CA	40	44.4	51.1	1.0	3	3	64.5	7.8	DO-15		

# Transient Voltage Suppressors (continued)

DO-15

Part Number		Reverse Stand-off Voltage	Breakdown Voltage		Test Current I <sub>T</sub>	Reverse Leakage		Max. Clamp Voltage V <sub>C</sub> @ I <sub>PP</sub>	Peak Pulse Current I <sub>PP</sub>	Package				
		V <sub>RWM</sub>	V <sub>BR</sub> @ I <sub>T</sub>			I <sub>R</sub> @ V <sub>RWM</sub>								
			Min.	Max.		UNI	BI							
UNI	BI	V	V	V	mA	μA	μA	V	A					
<b>500W Transient Voltage Suppressor --continued</b>														
SA43	SA43C	43	47.8	60.5	1.0	3	3	76.7	6.5	DO-15				
SA43A	SA43CA	43	47.8	54.9	1.0	3	3	69.4	7.2	DO-15				
SA45	SA45C	45	50.0	63.3	1.0	3	3	80.3	6.2	DO-15				
SA45A	SA45CA	45	50.0	57.5	1.0	3	3	72.7	6.9	DO-15				
SA48	SA48C	48	53.3	67.5	1.0	3	3	85.5	5.8	DO-15				
SA48A	SA48CA	48	53.3	61.3	1.0	3	3	77.4	6.5	DO-15				
SA51	SA51C	51	56.7	71.8	1.0	3	3	91.1	5.5	DO-15				
SA51A	SA51CA	51	56.7	65.2	1.0	3	3	82.4	6.1	DO-15				
SA54	SA54C	54	60.0	76.0	1.0	3	3	96.3	5.2	DO-15				
SA54A	SA54CA	54	60.0	69.0	1.0	3	3	87.1	5.7	DO-15				
SA58	SA58C	58	64.4	81.6	1.0	3	3	103	4.9	DO-15				
SA58A	SA58CA	58	64.4	74.1	1.0	3	3	93.6	5.3	DO-15				
SA60	SA60C	60	66.7	84.5	1.0	3	3	107	4.7	DO-15				
SA60A	SA60CA	60	66.7	76.7	1.0	3	3	96.8	5.2	DO-15				
SA64	SA64C	64	71.1	90.1	1.0	3	3	114	4.4	DO-15				
SA64A	SA64CA	64	71.1	81.8	1.0	3	3	103	4.9	DO-15				
SA70	SA70C	70	77.8	98.6	1.0	3	3	125	4.0	DO-15				
SA70A	SA70CA	70	77.8	89.5	1.0	3	3	113	4.4	DO-15				
SA75	SA75C	75	83.3	105.7	1.0	3	3	134	3.7	DO-15				
SA75A	SA75CA	75	83.3	95.8	1.0	3	3	121	4.1	DO-15				
SA78	SA78C	78	86.7	109.8	1.0	3	3	139	3.6	DO-15				
SA78A	SA78CA	78	86.7	99.7	1.0	3	3	126	4.0	DO-15				
SA85	SA85C	85	94.4	119.2	1.0	3	3	151	3.3	DO-15				
SA85A	SA85CA	85	94.4	108.2	1.0	3	3	137	3.6	DO-15				
SA90	SA90C	90	100	126.5	1.0	3	3	160	3.1	DO-15				
SA90A	SA90CA	90	100	115.5	1.0	3	3	146	3.4	DO-15				
SA100	SA100C	100	111	141.0	1.0	3	3	179	2.8	DO-15				
SA100A	SA100CA	100	111	128.0	1.0	3	3	162	3.1	DO-15				
SA110	SA110C	110	122	154.5	1.0	3	3	196	2.6	DO-15				
SA110A	SA110CA	110	122	140.5	1.0	3	3	177	2.8	DO-15				
SA120	SA120C	120	133	169.0	1.0	3	3	214	2.3	DO-15				
SA120A	SA120CA	120	133	153.0	1.0	3	3	193	2.0	DO-15				
SA130	SA130C	130	144	182.5	1.0	3	3	231	2.2	DO-15				
SA130A	SA130CA	130	144	165.5	1.0	3	3	209	2.4	DO-15				
SA150	SA150C	150	167	211.5	1.0	3	3	268	1.9	DO-15				
SA150A	SA150CA	150	167	192.5	1.0	3	3	243	2.1	DO-15				
SA160	SA160C	160	178	226.0	1.0	3	3	287	1.7	DO-15				
SA160A	SA160CA	160	178	205.0	1.0	3	3	259	1.9	DO-15				
SA170	SA170C	170	189	239.5	1.0	3	3	304	1.6	DO-15				
SA170A	SA170CA	170	189	217.5	1.0	3	3	275	1.8	DO-15				
SA180	SA180C	180	198	253.8	1.0	3	3	322	1.6	DO-15				
SA180A	SA180CA	180	198	230.4	1.0	3	3	292	1.7	DO-15				
SA190	SA190C	190	209	267.9	1.0	3	3	340	1.5	DO-15				
SA190A	SA190CA	190	209	243.2	1.0	3	3	308	1.6	DO-15				
SA200	SA200C	200	220	282.0	1.0	3	3	358	1.4	DO-15				
SA200A	SA200CA	200	220	256.0	1.0	3	3	324	1.5	DO-15				
SA210	SA210C	210	231	296.1	1.0	3	3	376	1.3	DO-15				
SA210A	SA210CA	210	231	268.8	1.0	3	3	340	1.5	DO-15				
SA220	SA220C	220	242	310.2	1.0	3	3	394	1.3	DO-15				
SA220A	SA220CA	220	242	281.6	1.0	3	3	356	1.4	DO-15				

T.V.S.

TRANSIENT VOLTAGE SUPPRESSORS |

## Transient Voltage Suppressors (continued)

DO-15

Part Number		Reverse Stand-off Voltage V <sub>RWM</sub>	Breakdown Voltage		Test Current I <sub>T</sub>	Reverse Leakage		Max. Clamp Voltage V <sub>C</sub> @ I <sub>PP</sub>	Peak Pulse Current I <sub>PP</sub>	Package	
			V <sub>BR</sub> @ I <sub>T</sub>			I <sub>R</sub> @ V <sub>RWM</sub>					
UNI	BI		V	V		mA	μA		V		
<b>600W Transient Voltage Suppressor</b>											
P6KE6.8	P6KE6.8C	5.50	6.12	7.48	10	1000	2000	10.8	56.0	DO-15	
P6KE6.8A	P6KE6.8CA	5.80	6.45	7.14	10	1000	2000	10.5	57.0	DO-15	
P6KE7.5	P6KE7.5C	6.05	6.75	8.25	10	500	1000	11.7	51.0	DO-15	
P6KE7.5A	P6KE7.5CA	6.40	7.13	7.88	10	500	1000	11.3	53.0	DO-15	
P6KE8.2	P6KE8.2C	6.63	7.38	9.02	10	200	400	12.5	48.0	DO-15	
P6KE8.2A	P6KE8.2CA	7.02	7.79	8.61	10	200	400	12.1	50.0	DO-15	
P6KE9.1	P6KE9.1C	7.37	8.19	10.0	1.0	50	100	13.8	44.0	DO-15	
P6KE9.1A	P6KE9.1CA	7.78	8.65	9.50	1.0	50	100	13.4	45.0	DO-15	
P6KE10	P6KE10C	8.10	9.00	11.0	1.0	10	20	15.0	40.0	DO-15	
P6KE10A	P6KE10CA	8.55	9.50	10.5	1.0	10	20	14.5	41.0	DO-15	
P6KE11	P6KE11C	8.92	9.90	12.1	1.0	5	10	16.2	37.0	DO-15	
P6KE11A	P6KE11CA	9.40	10.5	11.6	1.0	5	10	15.6	38.0	DO-15	
P6KE12	P6KE12C	9.72	10.8	13.2	1.0	5	5	17.3	35.0	DO-15	
P6KE12A	P6KE12CA	10.2	11.4	12.6	1.0	5	5	16.7	36.0	DO-15	
P6KE13	P6KE13C	10.5	11.7	14.3	1.0	5	5	19.0	32.0	DO-15	
P6KE13A	P6KE13CA	11.1	12.4	13.7	1.0	5	5	18.2	33.0	DO-15	
P6KE15	P6KE15C	12.1	13.5	16.5	1.0	5	5	22.0	27.0	DO-15	
P6KE15A	P6KE15CA	12.8	14.3	15.8	1.0	5	5	21.2	28.0	DO-15	
P6KE16	P6KE16C	12.9	14.4	17.6	1.0	5	5	23.5	26.0	DO-15	
P6KE16A	P6KE16CA	13.6	15.2	16.8	1.0	5	5	22.5	27.0	DO-15	
P6KE18	P6KE18C	14.5	16.2	19.8	1.0	5	5	26.5	23.0	DO-15	
P6KE18A	P6KE18CA	15.3	17.1	18.9	1.0	5	5	25.2	24.0	DO-15	
P6KE20	P6KE20C	16.2	18.0	22.0	1.0	5	5	29.1	21.0	DO-15	
P6KE20A	P6KE20CA	17.1	19.0	21.0	1.0	5	5	27.7	22.0	DO-15	
P6KE22	P6KE22C	17.8	19.8	24.2	1.0	5	5	31.9	19.0	DO-15	
P6KE22A	P6KE22CA	18.8	20.9	23.1	1.0	5	5	30.6	20.0	DO-15	
P6KE24	P6KE24C	19.4	21.6	26.4	1.0	5	5	34.7	17.0	DO-15	
P6KE24A	P6KE24CA	20.5	22.8	25.2	1.0	5	5	33.2	18.0	DO-15	
P6KE27	P6KE27C	21.8	24.3	29.7	1.0	5	5	39.1	15.0	DO-15	
P6KE27A	P6KE27CA	23.1	25.7	28.4	1.0	5	5	37.5	16.0	DO-15	
P6KE30	P6KE30C	24.3	27.0	33.0	1.0	5	5	43.5	14.0	DO-15	
P6KE30A	P6KE30CA	25.6	28.5	31.5	1.0	5	5	41.4	14.4	DO-15	
P6KE33	P6KE33C	26.8	29.7	36.3	1.0	5	5	47.7	12.6	DO-15	
P6KE33A	P6KE33CA	28.2	31.4	34.7	1.0	5	5	45.7	13.2	DO-15	
P6KE36	P6KE36C	29.1	32.4	39.6	1.0	5	5	52.0	11.6	DO-15	
P6KE36A	P6KE36CA	30.8	34.2	37.8	1.0	5	5	49.9	12.0	DO-15	
P6KE39	P6KE39C	31.6	35.1	42.9	1.0	5	5	56.4	10.6	DO-15	
P6KE39A	P6KE39CA	33.3	37.1	41.0	1.0	5	5	53.9	11.2	DO-15	
P6KE43	P6KE43C	34.8	38.7	47.3	1.0	5	5	61.9	9.6	DO-15	
P6KE43A	P6KE43CA	36.8	40.9	45.2	1.0	5	5	59.3	10.1	DO-15	
P6KE47	P6KE47C	38.1	42.3	51.7	1.0	5	5	67.8	8.9	DO-15	
P6KE47A	P6KE47CA	40.2	44.7	49.4	1.0	5	5	64.8	9.3	DO-15	

# Transient Voltage Suppressors (continued)

DO-15

Part Number		Reverse Stand-off Voltage VRWM	Breakdown Voltage		Test Current IT	Reverse Leakage		Max. Clamp Voltage VC @ IPP	Peak Pulse Current IPP	Package		
			VBR @ IT			IR @ VRWM						
UNI	BI		Min.	Max.		UNI	BI					
V	V	V	mA	µA	µA	V	A					
<b>600W Transient Voltage Suppressor --continued</b>												
P6KE51	P6KE51C	41.3	45.9	56.1	1.0	5	5	73.5	8.2	DO-15		
P6KE51A	P6KE51CA	43.6	48.5	53.6	1.0	5	5	70.1	8.6	DO-15		
P6KE56	P6KE56C	45.6	50.4	61.6	1.0	5	5	80.5	7.4	DO-15		
P6KE56A	P6KE56CA	47.8	53.2	58.8	1.0	5	5	77.0	7.8	DO-15		
P6KE62	P6KE62C	50.2	55.8	68.2	1.0	5	5	89.0	6.8	DO-15		
P6KE62A	P6KE62CA	53.0	58.9	65.1	1.0	5	5	85.0	7.1	DO-15		
P6KE68	P6KE68C	55.1	61.2	74.8	1.0	5	5	98.0	6.1	DO-15		
P6KE68A	P6KE68CA	58.1	64.6	71.4	1.0	5	5	92.0	6.5	DO-15		
P6KE75	P6KE75C	60.7	67.5	82.5	1.0	5	5	108	5.5	DO-15		
P6KE75A	P6KE75CA	64.1	71.3	78.8	1.0	5	5	103	5.8	DO-15		
P6KE82	P6KE82C	66.4	73.8	90.2	1.0	5	5	118	5.1	DO-15		
P6KE82A	P6KE82CA	70.1	77.9	86.1	1.0	5	5	113	5.3	DO-15		
P6KE91	P6KE91C	73.7	81.9	100	1.0	5	5	131	4.5	DO-15		
P6KE91A	P6KE91CA	77.8	86.5	95.5	1.0	5	5	125	4.8	DO-15		
P6KE100	P6KE100C	81.0	90.0	110	1.0	5	5	144	4.2	DO-15		
P6KE100A	P6KE100CA	85.5	95.0	105	1.0	5	5	137	4.4	DO-15		
P6KE110	P6KE110C	89.2	99.0	121	1.0	5	5	158	3.8	DO-15		
P6KE110A	P6KE110CA	94.0	105	116	1.0	5	5	152	4.0	DO-15		
P6KE120	P6KE120C	97.2	108	132	1.0	5	5	173	3.5	DO-15		
P6KE120A	P6KE120CA	102	114	126	1.0	5	5	165	3.6	DO-15		
P6KE130	P6KE130C	105	117	143	1.0	5	5	187	3.2	DO-15		
P6KE130A	P6KE130CA	111	124	137	1.0	5	5	179	3.3	DO-15		
P6KE150	P6KE150C	121	135	165	1.0	5	5	215	2.8	DO-15		
P6KE150A	P6KE150CA	128	143	158	1.0	5	5	207	2.9	DO-15		
P6KE160	P6KE160C	130	144	176	1.0	5	5	230	2.6	DO-15		
P6KE160A	P6KE160CA	136	152	168	1.0	5	5	219	2.7	DO-15		
P6KE170	P6KE170C	138	153	187	1.0	5	5	244	2.5	DO-15		
P6KE170A	P6KE170CA	145	162	179	1.0	5	5	234	2.6	DO-15		
P6KE180	P6KE180C	146	162	198	1.0	5	5	258	2.3	DO-15		
P6KE180A	P6KE180CA	154	171	189	1.0	5	5	246	2.4	DO-15		
P6KE200	P6KE200C	162	180	220	1.0	5	5	287	2.1	DO-15		
P6KE200A	P6KE200CA	171	190	210	1.0	5	5	274	2.2	DO-15		
P6KE220	P6KE220C	175	198	242	1.0	5	5	344	1.8	DO-15		
P6KE220A	P6KE220CA	185	209	231	1.0	5	5	328	1.9	DO-15		
P6KE250	P6KE250C	202	225	275	1.0	5	5	360	1.7	DO-15		
P6KE250A	P6KE250CA	214	237	263	1.0	5	5	344	1.8	DO-15		
P6KE300	P6KE300C	243	270	330	1.0	5	5	430	1.4	DO-15		
P6KE300A	P6KE300CA	256	285	315	1.0	5	5	414	1.5	DO-15		
P6KE350	P6KE350C	284	315	385	1.0	5	5	504	1.2	DO-15		
P6KE350A	P6KE350CA	300	332	368	1.0	5	5	482	1.3	DO-15		
P6KE400	P6KE400C	324	360	440	1.0	5	5	574	1.05	DO-15		
P6KE400A	P6KE400CA	342	380	420	1.0	5	5	548	1.1	DO-15		
P6KE440	P6KE440C	356	396	484	1.0	5	5	631	0.99	DO-15		
P6KE440A	P6KE440CA	376	418	462	1.0	5	5	600	1.04	DO-15		

TVS

TRANSIENT VOLTAGE SUPPRESSORS

# Transient Voltage Suppressors (continued)



SMB/DO-214AA

Part Number		Reverse Stand-off Voltage VRWM	Breakdown Voltage		Test Current IT	Reverse Leakage		Max. Clamp Voltage Vc @ IPP	Peak Pulse Current IPP	Package				
			VBR @ IT			IR @ VRWM								
			Min.	Max.		UNI	BI							
UNI	BI	V	V	V	mA	µA	µA	V	A					
<b>600W Transient Voltage Suppressor --continued</b>														
P6SMBJ5.0	P6SMBJ5.0C	5.0	6.40	7.55	10	800	1600	9.6	62.5	SMB/DO-214AA				
P6SMBJ5.0A	P6SMBJ5.0CA	5.0	6.40	7.25	10	800	1600	9.2	65.2	SMB/DO-214AA				
P6SMBJ6.0	P6SMBJ6.0C	6.0	6.67	8.45	10	800	1600	11.4	52.6	SMB/DO-214AA				
P6SMBJ6.0A	P6SMBJ6.0CA	6.0	6.67	7.67	10	800	1600	10.3	58.3	SMB/DO-214AA				
P6SMBJ6.5	P6SMBJ6.5C	6.5	7.22	9.14	10	500	1000	12.3	48.7	SMB/DO-214AA				
P6SMBJ6.5A	P6SMBJ6.5CA	6.5	7.22	8.30	10	500	1000	11.2	53.6	SMB/DO-214AA				
P6SMBJ7.0	P6SMBJ7.0C	7.0	7.78	9.86	10	200	400	13.3	45.1	SMB/DO-214AA				
P6SMBJ7.0A	P6SMBJ7.0CA	7.0	7.78	8.95	10	200	400	12.0	50.0	SMB/DO-214AA				
P6SMBJ7.5	P6SMBJ7.5C	7.5	8.33	10.67	1.0	100	200	14.3	42.0	SMB/DO-214AA				
P6SMBJ7.5A	P6SMBJ7.5CA	7.5	8.33	9.58	1.0	100	200	12.9	46.5	SMB/DO-214AA				
P6SMBJ8.0	P6SMBJ8.0C	8.0	8.89	11.30	1.0	50	100	15.0	40.0	SMB/DO-214AA				
P6SMBJ8.0A	P6SMBJ8.0CA	8.0	8.89	10.23	1.0	50	100	13.6	44.1	SMB/DO-214AA				
P6SMBJ8.5	P6SMBJ8.5C	8.5	9.44	11.92	1.0	10	20	15.9	37.7	SMB/DO-214AA				
P6SMBJ8.5A	P6SMBJ8.5CA	8.5	9.44	10.82	1.0	10	20	14.4	41.7	SMB/DO-214AA				
P6SMBJ9.0	P6SMBJ9.0C	9.0	10.0	12.6	1.0	5	10	16.9	35.5	SMB/DO-214AA				
P6SMBJ9.0A	P6SMBJ9.0CA	9.0	10.0	11.5	1.0	5	10	15.4	39.0	SMB/DO-214AA				
P6SMBJ10	P6SMBJ10C	10	11.1	14.1	1.0	5	5	18.8	31.9	SMB/DO-214AA				
P6SMBJ10A	P6SMBJ10CA	10	11.1	12.8	1.0	5	5	17.0	35.3	SMB/DO-214AA				
P6SMBJ11	P6SMBJ11C	11	12.2	15.4	1.0	5	5	20.1	29.9	SMB/DO-214AA				
P6SMBJ11A	P6SMBJ11CA	11	12.2	14.0	1.0	5	5	18.2	33.0	SMB/DO-214AA				
P6SMBJ12	P6SMBJ12C	12	13.3	16.9	1.0	5	5	22.0	27.3	SMB/DO-214AA				
P6SMBJ12A	P6SMBJ12CA	12	13.3	15.3	1.0	5	5	19.9	30.2	SMB/DO-214AA				
P6SMBJ13	P6SMBJ13C	13	14.4	18.2	1.0	5	5	23.8	25.2	SMB/DO-214AA				
P6SMBJ13A	P6SMBJ13CA	13	14.4	16.5	1.0	5	5	21.5	27.9	SMB/DO-214AA				
P6SMBJ14	P6SMBJ14C	14	15.6	19.8	1.0	5	5	25.8	23.3	SMB/DO-214AA				
P6SMBJ14A	P6SMBJ14CA	14	15.6	17.9	1.0	5	5	23.2	25.8	SMB/DO-214AA				
P6SMBJ15	P6SMBJ15C	15	16.7	21.1	1.0	5	5	26.9	22.3	SMB/DO-214AA				
P6SMBJ15A	P6SMBJ15CA	15	16.7	19.2	1.0	5	5	24.4	24.0	SMB/DO-214AA				
P6SMBJ16	P6SMBJ16C	16	17.8	22.6	1.0	5	5	28.8	20.8	SMB/DO-214AA				
P6SMBJ16A	P6SMBJ16CA	16	17.8	20.5	1.0	5	5	26.0	23.1	SMB/DO-214AA				
P6SMBJ17	P6SMBJ17C	17	18.9	23.9	1.0	5	5	30.5	19.7	SMB/DO-214AA				
P6SMBJ17A	P6SMBJ17CA	17	18.9	21.7	1.0	5	5	27.6	21.7	SMB/DO-214AA				
P6SMBJ18	P6SMBJ18C	18	20.0	25.3	1.0	5	5	32.2	18.6	SMB/DO-214AA				
P6SMBJ18A	P6SMBJ18CA	18	20.0	23.3	1.0	5	5	29.2	20.5	SMB/DO-214AA				
P6SMBJ20	P6SMBJ20C	20	22.2	28.1	1.0	5	5	35.8	16.7	SMB/DO-214AA				
P6SMBJ20A	P6SMBJ20CA	20	22.2	25.5	1.0	5	5	32.4	18.5	SMB/DO-214AA				
P6SMBJ22	P6SMBJ22C	22	24.4	30.9	1.0	5	5	39.4	15.2	SMB/DO-214AA				
P6SMBJ22A	P6SMBJ22CA	22	24.4	28.0	1.0	5	5	35.5	16.9	SMB/DO-214AA				
P6SMBJ24	P6SMBJ24C	24	26.7	33.8	1.0	5	5	43.0	14.0	SMB/DO-214AA				
P6SMBJ24A	P6SMBJ24CA	24	26.7	30.7	1.0	5	5	38.9	15.4	SMB/DO-214AA				
P6SMBJ26	P6SMBJ26C	26	28.9	36.6	1.0	5	5	46.6	12.4	SMB/DO-214AA				
P6SMBJ26A	P6SMBJ26CA	26	28.9	33.2	1.0	5	5	42.1	14.2	SMB/DO-214AA				
P6SMBJ28	P6SMBJ28C	28	31.1	39.4	1.0	5	5	50.0	12.0	SMB/DO-214AA				
P6SMBJ28A	P6SMBJ28CA	28	31.1	35.8	1.0	5	5	45.4	13.2	SMB/DO-214AA				
P6SMBJ30	P6SMBJ30C	30	33.3	42.2	1.0	5	5	53.5	11.2	SMB/DO-214AA				
P6SMBJ30A	P6SMBJ30CA	30	33.3	38.3	1.0	5	5	48.4	12.4	SMB/DO-214AA				
P6SMBJ33	P6SMBJ33C	33	36.7	46.5	1.0	5	5	59.0	10.2	SMB/DO-214AA				
P6SMBJ33A	P6SMBJ33CA	33	36.7	42.2	1.0	5	5	53.3	11.3	SMB/DO-214AA				
P6SMBJ36	P6SMBJ36C	36	40.0	50.7	1.0	5	5	64.3	9.3	SMB/DO-214AA				
P6SMBJ36A	P6SMBJ36CA	36	40.0	46.0	1.0	5	5	58.1	10.3	SMB/DO-214AA				
P6SMBJ40	P6SMBJ40C	40	44.4	56.3	1.0	5	5	71.4	8.4	SMB/DO-214AA				
P6SMBJ40A	P6SMBJ40CA	40	44.4	51.1	1.0	5	5	64.5	9.3	SMB/DO-214AA				

# Transient Voltage Suppressors (continued)



SMB/DO-214AA

Part Number		Reverse Stand-off Voltage	Breakdown Voltage		Test Current I <sub>T</sub>	Reverse Leakage		Max. Clamp Voltage V <sub>C</sub> @ I <sub>PP</sub>	Peak Pulse Current I <sub>PP</sub>	Package			
		V <sub>RWM</sub>	V <sub>BR</sub> @ I <sub>T</sub>			I <sub>R</sub> @ V <sub>RWM</sub>	UNI	BI					
			Min.	Max.									
UNI	BI	V	V	V	mA	μA	μA	V	A				
<b>600W Transient Voltage Suppressor --continued</b>													
P6SMBJ43	P6SMBJ43C	43	47.8	60.5	1.0	5	5	76.7	7.8	SMB/DO-214AA			
P6SMBJ43A	P6SMBJ43CA	43	47.8	54.9	1.0	5	5	69.4	8.6	SMB/DO-214AA			
P6SMBJ45	P6SMBJ45C	45	50.0	63.3	1.0	5	5	80.3	7.5	SMB/DO-214AA			
P6SMBJ45A	P6SMBJ45CA	45	50.0	57.5	1.0	5	5	72.7	8.3	SMB/DO-214AA			
P6SMBJ48	P6SMBJ48C	48	53.3	67.5	1.0	5	5	85.5	7.0	SMB/DO-214AA			
P6SMBJ48A	P6SMBJ48CA	48	53.3	61.3	1.0	5	5	77.4	7.7	SMB/DO-214AA			
P6SMBJ51	P6SMBJ51C	51	56.7	71.8	1.0	5	5	91.1	6.6	SMB/DO-214AA			
P6SMBJ51A	P6SMBJ51CA	51	56.7	65.2	1.0	5	5	82.4	7.3	SMB/DO-214AA			
P6SMBJ54	P6SMBJ54C	54	60.0	76.0	1.0	5	5	96.3	6.2	SMB/DO-214AA			
P6SMBJ54A	P6SMBJ54CA	54	60.0	69.0	1.0	5	5	87.1	6.9	SMB/DO-214AA			
P6SMBJ58	P6SMBJ58C	58	64.4	81.6	1.0	5	5	103	5.8	SMB/DO-214AA			
P6SMBJ58A	P6SMBJ58CA	58	64.4	74.1	1.0	5	5	93.6	6.4	SMB/DO-214AA			
P6SMBJ60	P6SMBJ60C	60	66.7	84.5	1.0	5	5	107	5.6	SMB/DO-214AA			
P6SMBJ60A	P6SMBJ60CA	60	66.7	76.7	1.0	5	5	96.8	6.2	SMB/DO-214AA			
P6SMBJ64	P6SMBJ64C	64	71.1	90.1	1.0	5	5	114	5.3	SMB/DO-214AA			
P6SMBJ64A	P6SMBJ64CA	64	71.1	81.8	1.0	5	5	103	5.8	SMB/DO-214AA			
P6SMBJ70	P6SMBJ70C	70	77.8	98.6	1.0	5	5	125	4.8	SMB/DO-214AA			
P6SMBJ70A	P6SMBJ70CA	70	77.8	89.5	1.0	5	5	113	5.3	SMB/DO-214AA			
P6SMBJ75	P6SMBJ75C	75	83.3	105.7	1.0	5	5	134	4.5	SMB/DO-214AA			
P6SMBJ75A	P6SMBJ75CA	75	83.3	95.8	1.0	5	5	121	4.9	SMB/DO-214AA			
P6SMBJ78	P6SMBJ78C	78	86.7	109.8	1.0	5	5	139	4.3	SMB/DO-214AA			
P6SMBJ78A	P6SMBJ78CA	78	86.7	99.7	1.0	5	5	126	4.7	SMB/DO-214AA			
P6SMBJ85	P6SMBJ85C	85	94.4	119.2	1.0	5	5	151	3.9	SMB/DO-214AA			
P6SMBJ85A	P6SMBJ85CA	85	94.4	108.2	1.0	5	5	137	4.4	SMB/DO-214AA			
P6SMBJ90	P6SMBJ90C	90	100	126.5	1.0	5	5	160	3.8	SMB/DO-214AA			
P6SMBJ90A	P6SMBJ90CA	90	100	115.5	1.0	5	5	146	4.1	SMB/DO-214AA			
P6SMBJ100	P6SMBJ100C	100	111	141.0	1.0	5	5	179	3.4	SMB/DO-214AA			
P6SMBJ100A	P6SMBJ100CA	100	111	128.0	1.0	5	5	162	3.7	SMB/DO-214AA			
P6SMBJ110	P6SMBJ110C	110	122	154.5	1.0	5	5	196	3.0	SMB/DO-214AA			
P6SMBJ110A	P6SMBJ110CA	110	122	140.5	1.0	5	5	177	3.4	SMB/DO-214AA			
P6SMBJ120	P6SMBJ120C	120	133	169.0	1.0	5	5	214	2.8	SMB/DO-214AA			
P6SMBJ120A	P6SMBJ120CA	120	133	153.0	1.0	5	5	193	3.1	SMB/DO-214AA			
P6SMBJ130	P6SMBJ130C	130	144	182.5	1.0	5	5	231	2.6	SMB/DO-214AA			
P6SMBJ130A	P6SMBJ130CA	130	144	165.5	1.0	5	5	209	2.9	SMB/DO-214AA			
P6SMBJ150	P6SMBJ150C	150	167	211.5	1.0	5	5	268	2.2	SMB/DO-214AA			
P6SMBJ150A	P6SMBJ150CA	150	167	192.5	1.0	5	5	243	2.5	SMB/DO-214AA			
P6SMBJ160	P6SMBJ160C	160	178	226.0	1.0	5	5	287	2.1	SMB/DO-214AA			
P6SMBJ160A	P6SMBJ160CA	160	178	205.0	1.0	5	5	259	2.3	SMB/DO-214AA			
P6SMBJ170	P6SMBJ170C	170	189	239.5	1.0	5	5	304	2.0	SMB/DO-214AA			
P6SMBJ170A	P6SMBJ170CA	170	189	217.5	1.0	5	5	275	2.2	SMB/DO-214AA			
P6SMBJ180	P6SMBJ180C	180	198	253.8	1.0	5	5	322	1.9	SMB/DO-214AA			
P6SMBJ180A	P6SMBJ180CA	180	198	230.4	1.0	5	5	292	2.1	SMB/DO-214AA			
P6SMBJ190	P6SMBJ190C	190	209	267.9	1.0	5	5	340	1.8	SMB/DO-214AA			
P6SMBJ190A	P6SMBJ190CA	190	209	243.2	1.0	5	5	308	2.0	SMB/DO-214AA			
P6SMBJ200	P6SMBJ200C	200	220	282.0	1.0	5	5	358	1.7	SMB/DO-214AA			
P6SMBJ200A	P6SMBJ200CA	200	220	256.0	1.0	5	5	324	1.9	SMB/DO-214AA			
P6SMBJ210	P6SMBJ210C	210	231	296.1	1.0	5	5	376	1.6	SMB/DO-214AA			
P6SMBJ210A	P6SMBJ210CA	210	231	268.8	1.0	5	5	340	1.8	SMB/DO-214AA			
P6SMBJ220	P6SMBJ220C	220	242	310.2	1.0	5	5	394	1.5	SMB/DO-214AA			
P6SMBJ220A	P6SMBJ220CA	220	242	281.6	1.0	5	5	356	1.7	SMB/DO-214AA			

TVS

TRANSIENT VOLTAGE SUPPRESSORS



DO-201AE

## Transient Voltage Suppressors (continued)

Part Number		Reverse Stand-off Voltage	Breakdown Voltage		Test Current	Reverse Leakage		Max. Clamp Voltage	Peak Pulse Current	Package				
		VRWM	V <sub>BR</sub> @ I <sub>T</sub>			I <sub>R</sub> @ V <sub>RWM</sub>								
			Min.	Max.		UNI	BI							
UNI	BI	V	V	V	mA	µA	µA	V	A					
<b>1500W Transient Voltage Suppressor</b>														
1.5KE6.8	1.5KE6.8C	5.50	6.12	7.48	10	1000	2000	10.8	139.0	DO-201AE				
1.5KE6.8A	1.5KE6.8CA	5.80	6.45	7.14	10	1000	2000	10.5	143.0	DO-201AE				
1.5KE7.5	1.5KE7.5C	6.05	6.75	8.25	10	500	1000	11.7	128.0	DO-201AE				
1.5KE7.5A	1.5KE7.5CA	6.40	7.13	7.88	10	500	1000	11.3	132.0	DO-201AE				
1.5KE8.2	1.5KE8.2C	6.63	7.38	9.02	10	200	400	12.5	120.0	DO-201AE				
1.5KE8.2A	1.5KE8.2CA	7.02	7.79	8.61	10	200	400	12.1	124.0	DO-201AE				
1.5KE9.1	1.5KE9.1C	7.37	8.19	10.0	1.0	50	100	13.8	109.0	DO-201AE				
1.5KE9.1A	1.5KE9.1CA	7.78	8.65	9.50	1.0	50	100	13.4	112.0	DO-201AE				
1.5KE10	1.5KE10C	8.10	9.00	11.0	1.0	10	20	15.0	100.0	DO-201AE				
1.5KE10A	1.5KE10CA	8.55	9.50	10.5	1.0	10	20	14.5	103.0	DO-201AE				
1.5KE11	1.5KE11C	8.92	9.90	12.1	1.0	5	10	16.2	93.0	DO-201AE				
1.5KE11A	1.5KE11CA	9.40	10.5	11.6	1.0	5	10	15.6	96.0	DO-201AE				
1.5KE12	1.5KE12C	9.72	10.8	13.2	1.0	5	5	17.3	87.0	DO-201AE				
1.5KE12A	1.5KE12CA	10.2	11.4	12.6	1.0	5	5	16.7	90.0	DO-201AE				
1.5KE13	1.5KE13C	10.5	11.7	14.3	1.0	5	5	19.0	79.0	DO-201AE				
1.5KE13A	1.5KE13CA	11.1	12.4	13.7	1.0	5	5	18.2	82.0	DO-201AE				
1.5KE15	1.5KE15C	12.1	13.5	16.5	1.0	5	5	22.0	68.0	DO-201AE				
1.5KE15A	1.5KE15CA	12.8	14.3	15.8	1.0	5	5	21.2	71.0	DO-201AE				
1.5KE16	1.5KE16C	12.9	14.4	17.6	1.0	5	5	23.5	64.0	DO-201AE				
1.5KE16A	1.5KE16CA	13.6	15.2	16.8	1.0	5	5	22.5	67.0	DO-201AE				
1.5KE18	1.5KE18C	14.5	16.2	19.8	1.0	5	5	26.5	56.5	DO-201AE				
1.5KE18A	1.5KE18CA	15.3	17.1	18.9	1.0	5	5	25.2	59.5	DO-201AE				
1.5KE20	1.5KE20C	16.2	18.0	22.0	1.0	5	5	29.1	51.5	DO-201AE				
1.5KE20A	1.5KE20CA	17.1	19.0	21.0	1.0	5	5	27.7	54.0	DO-201AE				
1.5KE22	1.5KE22C	17.8	19.8	24.2	1.0	5	5	31.9	47.0	DO-201AE				
1.5KE22A	1.5KE22CA	18.8	20.9	23.1	1.0	5	5	30.6	49.0	DO-201AE				
1.5KE24	1.5KE24C	19.4	21.6	26.4	1.0	5	5	34.7	43.0	DO-201AE				
1.5KE24A	1.5KE24CA	20.5	22.8	25.2	1.0	5	5	33.2	45.0	DO-201AE				
1.5KE27	1.5KE27C	21.8	24.3	29.7	1.0	5	5	39.1	38.5	DO-201AE				
1.5KE27A	1.5KE27CA	23.1	25.7	28.4	1.0	5	5	37.5	40.0	DO-201AE				
1.5KE30	1.5KE30C	24.3	27.0	33.0	1.0	5	5	43.5	34.5	DO-201AE				
1.5KE30A	1.5KE30CA	25.6	28.5	31.5	1.0	5	5	41.4	36.0	DO-201AE				
1.5KE33	1.5KE33C	26.8	29.7	36.3	1.0	5	5	47.7	31.5	DO-201AE				
1.5KE33A	1.5KE33CA	28.2	31.4	34.7	1.0	5	5	45.7	33.0	DO-201AE				
1.5KE36	1.5KE36C	29.1	32.4	39.6	1.0	5	5	52.0	29.0	DO-201AE				
1.5KE36A	1.5KE36CA	30.8	34.2	37.8	1.0	5	5	49.9	30.0	DO-201AE				
1.5KE39	1.5KE39C	31.6	35.1	42.9	1.0	5	5	56.4	26.5	DO-201AE				
1.5KE39A	1.5KE39CA	33.3	37.1	41.0	1.0	5	5	53.9	28.0	DO-201AE				
1.5KE43	1.5KE43C	34.8	38.7	47.3	1.0	5	5	61.9	24.0	DO-201AE				
1.5KE43A	1.5KE43CA	36.8	40.9	45.2	1.0	5	5	59.3	25.3	DO-201AE				
1.5KE47	1.5KE47C	38.1	42.3	51.7	1.0	5	5	67.8	22.2	DO-201AE				
1.5KE47A	1.5KE47CA	40.2	44.7	49.4	1.0	5	5	64.8	23.2	DO-201AE				

# Transient Voltage Suppressors (continued)

DO-201AE

Part Number		Reverse Stand-off Voltage	Breakdown Voltage		Test Current IT	Reverse Leakage		Max. Clamp Voltage Vc @ IPP	Peak Pulse Current IPP	Package				
		VRWM	VBR @ IT			IR @ VRWM								
			Min.	Max.		UNI	BI							
UNI	BI	V	V	V	mA	µA	µA	V	A					
<b>1500W Transient Voltage Suppressor --continued</b>														
1.5KE51	1.5KE51C	41.3	45.9	56.1	1.0	5	5	73.5	20.4	DO-201AE				
1.5KE51A	1.5KE51CA	43.6	48.5	53.6	1.0	5	5	70.1	21.4	DO-201AE				
1.5KE56	1.5KE56C	45.6	50.4	61.6	1.0	5	5	80.5	18.6	DO-201AE				
1.5KE56A	1.5KE56CA	47.8	53.2	58.8	1.0	5	5	77.0	19.5	DO-201AE				
1.5KE62	1.5KE62C	50.2	55.8	68.2	1.0	5	5	89.0	16.9	DO-201AE				
1.5KE62A	1.5KE62CA	53.0	58.9	65.1	1.0	5	5	85.0	17.7	DO-201AE				
1.5KE68	1.5KE68C	55.1	61.2	74.8	1.0	5	5	98.0	15.3	DO-201AE				
1.5KE68A	1.5KE68CA	58.1	64.6	71.4	1.0	5	5	92.0	16.3	DO-201AE				
1.5KE75	1.5KE75C	60.7	67.5	82.5	1.0	5	5	108	13.9	DO-201AE				
1.5KE75A	1.5KE75CA	64.1	71.3	78.8	1.0	5	5	103	14.6	DO-201AE				
1.5KE82	1.5KE82C	66.4	73.8	90.2	1.0	5	5	118	12.7	DO-201AE				
1.5KE82A	1.5KE82CA	70.1	77.9	86.1	1.0	5	5	113	13.3	DO-201AE				
1.5KE91	1.5KE91C	73.7	81.9	100	1.0	5	5	131	11.4	DO-201AE				
1.5KE91A	1.5KE91CA	77.8	86.5	95.5	1.0	5	5	125	12.0	DO-201AE				
1.5KE100	1.5KE100C	81.0	90.0	110	1.0	5	5	144	10.4	DO-201AE				
1.5KE100A	1.5KE100CA	85.5	95.0	105	1.0	5	5	137	11.0	DO-201AE				
1.5KE110	1.5KE110C	89.2	99.0	121	1.0	5	5	158	9.5	DO-201AE				
1.5KE110A	1.5KE110CA	94.0	105	116	1.0	5	5	152	9.9	DO-201AE				
1.5KE120	1.5KE120C	97.2	108	132	1.0	5	5	173	8.7	DO-201AE				
1.5KE120A	1.5KE120CA	102	114	126	1.0	5	5	165	9.1	DO-201AE				
1.5KE130	1.5KE130C	105	117	143	1.0	5	5	187	8.0	DO-201AE				
1.5KE130A	1.5KE130CA	111	124	137	1.0	5	5	179	8.4	DO-201AE				
1.5KE150	1.5KE150C	121	135	165	1.0	5	5	215	7.0	DO-201AE				
1.5KE150A	1.5KE150CA	128	143	158	1.0	5	5	207	7.2	DO-201AE				
1.5KE160	1.5KE160C	130	144	176	1.0	5	5	230	6.5	DO-201AE				
1.5KE160A	1.5KE160CA	136	152	168	1.0	5	5	219	6.8	DO-201AE				
1.5KE170	1.5KE170C	138	153	187	1.0	5	5	244	6.2	DO-201AE				
1.5KE170A	1.5KE170CA	145	162	179	1.0	5	5	234	6.4	DO-201AE				
1.5KE180	1.5KE180C	146	162	198	1.0	5	5	258	5.8	DO-201AE				
1.5KE180A	1.5KE180CA	154	171	189	1.0	5	5	246	6.1	DO-201AE				
1.5KE200	1.5KE200C	162	180	220	1.0	5	5	287	5.2	DO-201AE				
1.5KE200A	1.5KE200CA	171	190	210	1.0	5	5	274	5.5	DO-201AE				
1.5KE220	1.5KE220C	175	198	242	1.0	5	5	344	4.3	DO-201AE				
1.5KE220A	1.5KE220CA	185	209	231	1.0	5	5	328	4.6	DO-201AE				
1.5KE250	1.5KE250C	202	225	275	1.0	5	5	360	4.3	DO-201AE				
1.5KE250A	1.5KE250CA	214	237	263	1.0	5	5	344	4.5	DO-201AE				
1.5KE300	1.5KE300C	243	270	330	1.0	5	5	430	3.6	DO-201AE				
1.5KE300A	1.5KE300CA	256	285	315	1.0	5	5	414	3.8	DO-201AE				
1.5KE350	1.5KE350C	284	315	385	1.0	5	5	504	3.1	DO-201AE				
1.5KE350A	1.5KE350CA	300	332	368	1.0	5	5	482	3.2	DO-201AE				
1.5KE400	1.5KE400C	324	360	440	1.0	5	5	574	2.7	DO-201AE				
1.5KE400A	1.5KE400CA	342	380	420	1.0	5	5	548	2.8	DO-201AE				
1.5KE440	1.5KE440C	356	396	484	1.0	5	5	631	2.4	DO-201AE				
1.5KE440A	1.5KE440CA	376	418	462	1.0	5	5	600	2.6	DO-201AE				

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TRANSIENT VOLTAGE SUPPRESSORS |

## Transient Voltage Suppressors (continued)



SMC/DO-214AB

Part Number		Reverse Stand-off Voltage V <sub>RWM</sub>	Breakdown Voltage		Test Current I <sub>T</sub>	Reverse Leakage		Max. Clamp Voltage V <sub>C</sub> @ I <sub>PP</sub>	Peak Pulse Current I <sub>PP</sub>	Package				
			V <sub>BR</sub> @ I <sub>T</sub>			I <sub>R</sub> @ V <sub>RWM</sub>								
			Min.	Max.		UNI	BI							
UNI	BI	V	V	V	mA	μA	μA	V	A					
<b>1500W Transient Voltage Suppressor</b>														
1.5SMCJ5.0	1.5SMCJ5.0C	5.0	6.40	7.55	10	1000	2000	9.6	156.2	SMC/DO-214AB				
1.5SMCJ5.0A	1.5SMCJ5.0CA	5.0	6.40	7.25	10	1000	2000	9.2	163.0	SMC/DO-214AB				
1.5SMCJ6.0	1.5SMCJ6.0C	6.0	6.67	8.45	10	1000	2000	11.4	131.6	SMC/DO-214AB				
1.5SMCJ6.0A	1.5SMCJ6.0CA	6.0	6.67	7.67	10	1000	2000	10.3	145.6	SMC/DO-214AB				
1.5SMCJ6.5	1.5SMCJ6.5C	6.5	7.22	9.14	10	500	1000	12.3	122.0	SMC/DO-214AB				
1.5SMCJ6.5A	1.5SMCJ6.5CA	6.5	7.22	8.30	10	500	1000	11.2	133.9	SMC/DO-214AB				
1.5SMCJ7.0	1.5SMCJ7.0C	7.0	7.78	9.86	10	200	400	13.3	112.8	SMC/DO-214AB				
1.5SMCJ7.0A	1.5SMCJ7.0CA	7.0	7.78	8.95	10	200	400	12.0	125.0	SMC/DO-214AB				
1.5SMCJ7.5	1.5SMCJ7.5C	7.5	8.33	10.67	1.0	100	200	14.3	104.9	SMC/DO-214AB				
1.5SMCJ7.5A	1.5SMCJ7.5CA	7.5	8.33	9.58	1.0	100	200	12.9	116.3	SMC/DO-214AB				
1.5SMCJ8.0	1.5SMCJ8.0C	8.0	8.89	11.30	1.0	50	100	15.0	100.0	SMC/DO-214AB				
1.5SMCJ8.0A	1.5SMCJ8.0CA	8.0	8.89	10.23	1.0	50	100	13.6	110.3	SMC/DO-214AB				
1.5SMCJ8.5	1.5SMCJ8.5C	8.5	9.44	11.92	1.0	25	50	15.9	94.3	SMC/DO-214AB				
1.5SMCJ8.5A	1.5SMCJ8.5CA	8.5	9.44	10.82	1.0	20	50	14.4	104.2	SMC/DO-214AB				
1.5SMCJ9.0	1.5SMCJ9.0C	9.0	10.0	12.6	1.0	10	20	16.9	88.7	SMC/DO-214AB				
1.5SMCJ9.0A	1.5SMCJ9.0CA	9.0	10.0	11.5	1.0	10	20	15.4	97.4	SMC/DO-214AB				
1.5SMCJ10	1.5SMCJ10C	10	11.1	14.1	1.0	5	5	18.8	79.8	SMC/DO-214AB				
1.5SMCJ10A	1.5SMCJ10CA	10	11.1	12.8	1.0	5	5	17.0	88.2	SMC/DO-214AB				
1.5SMCJ11	1.5SMCJ11C	11	12.2	15.4	1.0	5	5	20.1	74.6	SMC/DO-214AB				
1.5SMCJ11A	1.5SMCJ11CA	11	12.2	14.0	1.0	5	5	18.2	82.4	SMC/DO-214AB				
1.5SMCJ12	1.5SMCJ12C	12	13.3	16.9	1.0	5	5	22.0	68.2	SMC/DO-214AB				
1.5SMCJ12A	1.5SMCJ12CA	12	13.3	15.3	1.0	5	5	19.9	75.3	SMC/DO-214AB				
1.5SMCJ13	1.5SMCJ13C	13	14.4	18.2	1.0	5	5	23.8	63.0	SMC/DO-214AB				
1.5SMCJ13A	1.5SMCJ13CA	13	14.4	16.5	1.0	5	5	21.5	69.7	SMC/DO-214AB				
1.5SMCJ14	1.5SMCJ14C	14	15.6	19.8	1.0	5	5	25.8	58.1	SMC/DO-214AB				
1.5SMCJ14A	1.5SMCJ14CA	14	15.6	17.9	1.0	5	5	23.2	64.7	SMC/DO-214AB				
1.5SMCJ15	1.5SMCJ15C	15	16.7	21.1	1.0	5	5	26.9	55.8	SMC/DO-214AB				
1.5SMCJ15A	1.5SMCJ15CA	15	16.7	19.2	1.0	5	5	24.4	61.5	SMC/DO-214AB				
1.5SMCJ16	1.5SMCJ16C	16	17.8	22.6	1.0	5	5	28.8	52.1	SMC/DO-214AB				
1.5SMCJ16A	1.5SMCJ16CA	16	17.8	20.5	1.0	5	5	26.0	57.7	SMC/DO-214AB				
1.5SMCJ17	1.5SMCJ17C	17	18.9	23.9	1.0	5	5	30.5	49.2	SMC/DO-214AB				
1.5SMCJ17A	1.5SMCJ17CA	17	18.9	21.7	1.0	5	5	27.6	53.3	SMC/DO-214AB				
1.5SMCJ18	1.5SMCJ18C	18	20.0	25.3	1.0	5	5	32.2	46.6	SMC/DO-214AB				
1.5SMCJ18A	1.5SMCJ18CA	18	20.0	23.3	1.0	5	5	29.2	51.4	SMC/DO-214AB				
1.5SMCJ20	1.5SMCJ20C	20	22.2	28.1	1.0	5	5	35.8	41.9	SMC/DO-214AB				
1.5SMCJ20A	1.5SMCJ20CA	20	22.2	25.5	1.0	5	5	32.4	46.3	SMC/DO-214AB				
1.5SMCJ22	1.5SMCJ22C	22	24.4	30.9	1.0	5	5	39.4	38.1	SMC/DO-214AB				
1.5SMCJ22A	1.5SMCJ22CA	22	24.4	28.0	1.0	5	5	35.5	42.2	SMC/DO-214AB				
1.5SMCJ24	1.5SMCJ24C	24	26.7	33.8	1.0	5	5	43.0	34.9	SMC/DO-214AB				
1.5SMCJ24A	1.5SMCJ24CA	24	26.7	30.7	1.0	5	5	38.9	38.6	SMC/DO-214AB				
1.5SMCJ26	1.5SMCJ26C	26	28.9	36.6	1.0	5	5	46.6	32.2	SMC/DO-214AB				
1.5SMCJ26A	1.5SMCJ26CA	26	28.9	33.2	1.0	5	5	42.1	35.6	SMC/DO-214AB				
1.5SMCJ28	1.5SMCJ28C	28	31.1	39.4	1.0	5	5	50.0	30.0	SMC/DO-214AB				
1.5SMCJ28A	1.5SMCJ28CA	28	31.1	35.8	1.0	5	5	45.4	33.0	SMC/DO-214AB				
1.5SMCJ30	1.5SMCJ30C	30	33.3	42.2	1.0	5	5	53.5	28.0	SMC/DO-214AB				
1.5SMCJ30A	1.5SMCJ30CA	30	33.3	38.3	1.0	5	5	48.4	31.0	SMC/DO-214AB				
1.5SMCJ33	1.5SMCJ33C	33	36.7	46.5	1.0	5	5	59.0	25.2	SMC/DO-214AB				
1.5SMCJ33A	1.5SMCJ33CA	33	36.7	42.2	1.0	5	5	53.3	28.1	SMC/DO-214AB				
1.5SMCJ36	1.5SMCJ36C	36	40.0	50.7	1.0	5	5	64.3	23.3	SMC/DO-214AB				
1.5SMCJ36A	1.5SMCJ36CA	36	40.0	46.0	1.0	5	5	58.1	25.8	SMC/DO-214AB				
1.5SMCJ40	1.5SMCJ40C	40	44.4	56.3	1.0	5	5	71.4	21.0	SMC/DO-214AB				
1.5SMCJ40A	1.5SMCJ40CA	40	44.4	51.1	1.0	5	5	64.5	23.2	SMC/DO-214AB				

# Transient Voltage Suppressors (continued)

SMC/DO-214AB

Part Number		Reverse Stand-off Voltage VRWM	Breakdown Voltage		Test Current IT	Reverse Leakage		Max. Clamp Voltage Vc @ IPP	Peak Pulse Current IPP	Package				
			VBR @ IT			IR @ VRWM								
			Min.	Max.		UNI	BI							
UNI	BI	V	V	V	mA	µA	µA	V	A					
<b>1500W Transient Voltage Suppressor --continued</b>														
1.5SMCJ43	1.5SMCJ43C	43	47.8	60.5	1.0	5	5	76.7	19.6	SMC/DO-214AB				
1.5SMCJ43A	1.5SMCJ43CA	43	47.8	54.9	1.0	5	5	69.4	21.6	SMC/DO-214AB				
1.5SMCJ45	1.5SMCJ45C	45	50.0	63.3	1.0	5	5	80.3	18.7	SMC/DO-214AB				
1.5SMCJ45A	1.5SMCJ45CA	45	50.0	57.5	1.0	5	5	72.7	20.6	SMC/DO-214AB				
1.5SMCJ48	1.5SMCJ48C	48	53.3	67.5	1.0	5	5	85.5	17.5	SMC/DO-214AB				
1.5SMCJ48A	1.5SMCJ48CA	48	53.3	61.3	1.0	5	5	77.4	19.4	SMC/DO-214AB				
1.5SMCJ51	1.5SMCJ51C	51	56.7	71.8	1.0	5	5	91.1	18.5	SMC/DO-214AB				
1.5SMCJ51A	1.5SMCJ51CA	51	56.7	65.2	1.0	5	5	82.4	18.2	SMC/DO-214AB				
1.5SMCJ54	1.5SMCJ54C	54	60.0	76.0	1.0	5	5	96.3	15.6	SMC/DO-214AB				
1.5SMCJ54A	1.5SMCJ54CA	54	60.0	69.0	1.0	5	5	87.1	17.2	SMC/DO-214AB				
1.5SMCJ58	1.5SMCJ58C	58	64.4	81.6	1.0	5	5	103	14.6	SMC/DO-214AB				
1.5SMCJ58A	1.5SMCJ58CA	58	64.4	74.1	1.0	5	5	93.6	16.0	SMC/DO-214AB				
1.5SMCJ60	1.5SMCJ60C	60	66.7	84.5	1.0	5	5	107	14.0	SMC/DO-214AB				
1.5SMCJ60A	1.5SMCJ60CA	60	66.7	76.7	1.0	5	5	96.8	15.5	SMC/DO-214AB				
1.5SMCJ64	1.5SMCJ64C	64	71.1	90.1	1.0	5	5	114	13.2	SMC/DO-214AB				
1.5SMCJ64A	1.5SMCJ64CA	64	71.1	81.8	1.0	5	5	103	14.6	SMC/DO-214AB				
1.5SMCJ70	1.5SMCJ70C	70	77.8	98.6	1.0	5	5	125	12.0	SMC/DO-214AB				
1.5SMCJ70A	1.5SMCJ70CA	70	77.8	89.5	1.0	5	5	113	13.3	SMC/DO-214AB				
1.5SMCJ75	1.5SMCJ75C	75	83.3	105.7	1.0	5	5	134	11.2	SMC/DO-214AB				
1.5SMCJ75A	1.5SMCJ75CA	75	83.3	95.8	1.0	5	5	121	12.4	SMC/DO-214AB				
1.5SMCJ78	1.5SMCJ78C	78	86.7	109.8	1.0	5	5	139	10.8	SMC/DO-214AB				
1.5SMCJ78A	1.5SMCJ78CA	78	86.7	99.7	1.0	5	5	126	11.4	SMC/DO-214AB				
1.5SMCJ85	1.5SMCJ85C	85	94.4	119.2	1.0	5	5	151	9.9	SMC/DO-214AB				
1.5SMCJ85A	1.5SMCJ85CA	85	94.4	108.2	1.0	5	5	137	10.4	SMC/DO-214AB				
1.5SMCJ90	1.5SMCJ90C	90	100	126.5	1.0	5	5	160	9.4	SMC/DO-214AB				
1.5SMCJ90A	1.5SMCJ90CA	90	100	115.5	1.0	5	5	146	10.3	SMC/DO-214AB				
1.5SMCJ100	1.5SMCJ100C	100	111	141.0	1.0	5	5	179	8.4	SMC/DO-214AB				
1.5SMCJ100A	1.5SMCJ100CA	100	111	128.0	1.0	5	5	162	9.3	SMC/DO-214AB				
1.5SMCJ110	1.5SMCJ110C	110	122	154.5	1.0	5	5	196	7.7	SMC/DO-214AB				
1.5SMCJ110A	1.5SMCJ110CA	110	122	140.5	1.0	5	5	177	8.4	SMC/DO-214AB				
1.5SMCJ120	1.5SMCJ120C	120	133	169.0	1.0	5	5	214	7.0	SMC/DO-214AB				
1.5SMCJ120A	1.5SMCJ120CA	120	133	153.0	1.0	5	5	193	7.9	SMC/DO-214AB				
1.5SMCJ130	1.5SMCJ130C	130	144	182.5	1.0	5	5	231	6.5	SMC/DO-214AB				
1.5SMCJ130A	1.5SMCJ130CA	130	144	165.5	1.0	5	5	209	7.2	SMC/DO-214AB				
1.5SMCJ150	1.5SMCJ150C	150	167	211.5	1.0	5	5	268	5.6	SMC/DO-214AB				
1.5SMCJ150A	1.5SMCJ150CA	150	167	192.5	1.0	5	5	243	6.2	SMC/DO-214AB				
1.5SMCJ160	1.5SMCJ160C	160	178	226.0	1.0	5	5	287	5.2	SMC/DO-214AB				
1.5SMCJ160A	1.5SMCJ160CA	160	178	205.0	1.0	5	5	259	5.8	SMC/DO-214AB				
1.5SMCJ170	1.5SMCJ170C	170	189	239.5	1.0	5	5	304	4.9	SMC/DO-214AB				
1.5SMCJ170A	1.5SMCJ170CA	170	189	217.5	1.0	5	5	275	5.5	SMC/DO-214AB				
1.5SMCJ180	1.5SMCJ180C	180	198	253.8	1.0	5	5	322	4.7	SMC/DO-214AB				
1.5SMCJ180A	1.5SMCJ180CA	180	198	230.4	1.0	5	5	292	5.1	SMC/DO-214AB				
1.5SMCJ190	1.5SMCJ190C	190	209	267.9	1.0	5	5	340	4.4	SMC/DO-214AB				
1.5SMCJ190A	1.5SMCJ190CA	190	209	243.2	1.0	5	5	308	4.8	SMC/DO-214AB				
1.5SMCJ200	1.5SMCJ200C	200	220	282.0	1.0	5	5	358	4.1	SMC/DO-214AB				
1.5SMCJ200A	1.5SMCJ200CA	200	220	256.0	1.0	5	5	324	4.6	SMC/DO-214AB				
1.5SMCJ210	1.5SMCJ210C	210	231	296.1	1.0	5	5	376	4.0	SMC/DO-214AB				
1.5SMCJ210A	1.5SMCJ210CA	210	231	268.8	1.0	5	5	340	4.4	SMC/DO-214AB				
1.5SMCJ220	1.5SMCJ220C	220	242	310.2	1.0	5	5	394	3.8	SMC/DO-214AB				
1.5SMCJ220A	1.5SMCJ220CA	220	242	281.6	1.0	5	5	356	4.2	SMC/DO-214AB				

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TRANSIENT VOLTAGE SUPPRESSORS |

# Transient Voltage Suppressors (continued)



Part Number		Reverse Stand-off Voltage VRWM	Breakdown Voltage		Test Current It	Reverse Leakage		Max. Clamp Voltage Vc @ IPP	Peak Pulse Current IPP	Package		
			VBR @ IT			IR @ VRWM						
UNI	BI		Min.	Max.		UNI	BI					
V	V	mA	µA	µA	V	A						
<b>3000W Transient Voltage Suppressor</b>												
3KP5.0	3KP5.0C	5.0	6.40	7.55	10	1000	2000	9.6	312.5	P-600		
3KP5.0A	3KP5.0CA	5.0	6.40	7.25	10	1000	2000	9.2	326.0	P-600		
3KP6.0	3KP6.0C	6.0	6.67	8.45	10	1000	2000	11.4	263.2	P-600		
3KP6.0A	3KP6.0CA	6.0	6.67	7.67	10	1000	2000	10.3	291.3	P-600		
3KP6.5	3KP6.5C	6.5	7.22	9.14	10	500	1000	12.3	243.9	P-600		
3KP6.5A	3KP6.5CA	6.5	7.22	8.30	10	500	1000	11.2	267.9	P-600		
3KP7.0	3KP7.0C	7.0	7.78	9.86	10	200	400	13.3	225.6	P-600		
3KP7.0A	3KP7.0CA	7.0	7.78	8.95	10	200	400	12.0	250.0	P-600		
3KP7.5	3KP7.5C	7.5	8.33	10.67	1.0	100	200	14.3	209.8	P-600		
3KP7.5A	3KP7.5CA	7.5	8.33	9.58	1.0	100	200	12.9	232.6	P-600		
3KP8.0	3KP8.0C	8.0	8.89	11.30	1.0	50	100	15.0	220.0	P-600		
3KP8.0A	3KP8.0CA	8.0	8.89	10.23	1.0	50	100	13.6	220.6	P-600		
3KP8.5	3KP8.5C	8.5	9.44	11.92	1.0	25	50	15.9	188.8	P-600		
3KP8.5A	3KP8.5CA	8.5	9.44	10.82	1.0	25	50	14.4	208.4	P-600		
3KP9.0	3KP9.0C	9.0	10.0	12.6	1.0	10	20	16.9	177.4	P-600		
3KP9.0A	3KP9.0CA	9.0	10.0	11.5	1.0	10	20	15.4	194.8	P-600		
3KP10	3KP10C	10	11.1	14.1	1.0	5	5	18.8	159.6	P-600		
3KP10A	3KP10CA	10	11.1	12.8	1.0	5	5	17.0	176.4	P-600		
3KP11	3KP11C	11	12.2	15.4	1.0	5	5	20.1	149.2	P-600		
3KP11A	3KP11CA	11	12.2	14.0	1.0	5	5	18.2	184.8	P-600		
3KP12	3KP12C	12	13.3	16.9	1.0	5	5	22.0	136.4	P-600		
3KP12A	3KP12CA	12	13.3	15.3	1.0	5	5	19.9	150.6	P-600		
3KP13	3KP13C	13	14.4	18.2	1.0	5	5	23.8	126.0	P-600		
3KP13A	3KP13CA	13	14.4	16.5	1.0	5	5	21.5	139.4	P-600		
3KP14	3KP14C	14	15.6	19.8	1.0	5	5	25.8	116.2	P-600		
3KP14A	3KP14CA	14	15.6	17.9	1.0	5	5	23.2	129.4	P-600		
3KP15	3KP15C	15	16.7	21.1	1.0	5	5	26.9	111.6	P-600		
3KP15A	3KP15CA	15	16.7	19.2	1.0	5	5	24.4	123.0	P-600		
3KP16	3KP16C	16	17.8	22.6	1.0	5	5	28.8	104.2	P-600		
3KP16A	3KP16CA	16	17.8	20.5	1.0	5	5	26.0	115.4	P-600		
3KPJ17	3KPJ17C	17	18.9	23.9	1.0	5	5	30.5	98.4	P-600		
3KP17A	3KP17CA	17	18.9	21.7	1.0	5	5	27.6	106.6	P-600		
3KP18	3KP18C	18	20.0	25.3	1.0	5	5	32.2	93.2	P-600		
3KP18A	3KP18CA	18	20.0	23.3	1.0	5	5	29.2	102.8	P-600		
3KP20	3KP20C	20	22.2	28.1	1.0	5	5	35.8	83.8	P-600		
3KP20A	3KP20CA	20	22.2	25.5	1.0	5	5	32.4	92.6	P-600		
3KP22	3KP22C	22	24.4	30.9	1.0	5	5	39.4	76.2	P-600		
3KP22A	3KP22CA	22	24.4	28.0	1.0	5	5	35.5	84.4	P-600		
3KP24	3KP24C	24	26.7	33.8	1.0	5	5	43.0	69.8	P-600		
3KP24A	3KP24CA	24	26.7	30.7	1.0	5	5	38.9	77.2	P-600		
3KP26	3KP26C	26	28.9	36.6	1.0	5	5	46.6	64.4	P-600		
3KP26A	3KP26CA	26	28.9	33.2	1.0	5	5	42.1	71.2	P-600		
3KP28	3KP28C	28	31.1	39.4	1.0	5	5	50.0	60.0	P-600		
3KP28A	3KP28CA	28	31.1	35.8	1.0	5	5	45.4	66.0	P-600		
3KP30	3KP30C	30	33.3	42.2	1.0	5	5	53.5	56.0	P-600		
3KP30A	3KP30CA	30	33.3	38.3	1.0	5	5	48.4	62.0	P-600		
3KP33	3KP33C	33	36.7	46.5	1.0	5	5	59.0	50.4	P-600		
3KP33A	3KP33CA	33	36.7	42.2	1.0	5	5	53.3	56.2	P-600		
3KP36	3KP36C	36	40.0	50.7	1.0	5	5	64.3	46.6	P-600		
3KP36A	3KP36CA	36	40.0	46.0	1.0	5	5	58.1	51.6	P-600		
3KP40	3KP40C	40	44.4	56.3	1.0	5	5	71.4	42.0	P-600		
3KP40A	3KP40CA	40	44.4	51.1	1.0	5	5	64.5	46.4	P-600		

## Transient Voltage Suppressors (continued)



P-600

Part Number		Reverse Stand-off Voltage	Breakdown Voltage		Test Current I <sub>T</sub>	Reverse Leakage		Max. Clamp Voltage V <sub>C</sub> @ I <sub>PP</sub>	Peak Pulse Current I <sub>PP</sub>	Package			
		V <sub>RWM</sub>	V <sub>BR</sub> @ I <sub>T</sub>			I <sub>R</sub> @ V <sub>RWM</sub>	UNI	BI					
			Min.	Max.									
UNI	BI	V	V	V	mA	μA	μA	V	A				
<b>3000W Transient Voltage Suppressor --continued</b>													
3KP43	3KP43C	43	47.8	60.5	1.0	5	5	76.7	39.2	P-600			
3KP43A	3KP43CA	43	47.8	54.9	1.0	5	5	69.4	43.2	P-600			
3KP45	3KP45C	45	50.0	63.3	1.0	5	5	80.3	37.4	P-600			
3KP45A	3KP45CA	45	50.0	57.5	1.0	5	5	72.7	41.2	P-600			
3KP48	3KP48C	48	53.3	67.5	1.0	5	5	85.5	35.0	P-600			
3KP48A	3KP48CA	48	53.3	61.3	1.0	5	5	77.4	38.8	P-600			
3KP51	3KP51C	51	56.7	71.8	1.0	5	5	91.1	37.0	P-600			
3KP51A	3KP51CA	51	56.7	65.2	1.0	5	5	82.4	36.4	P-600			
3KP54	3KP54C	54	60.0	76.0	1.0	5	5	96.3	31.2	P-600			
3KP54A	3KP54CA	54	60.0	69.0	1.0	5	5	87.1	34.4	P-600			
3KP58	3KP58C	58	64.4	81.6	1.0	5	5	103	29.2	P-600			
3KP58A	3KP58CA	58	64.4	74.1	1.0	5	5	93.6	32.0	P-600			
3KP60	3KP60C	60	66.7	84.5	1.0	5	5	107	28.0	P-600			
3KP60A	3KP60CA	60	66.7	76.7	1.0	5	5	96.8	31.0	P-600			
3KP64	3KP64C	64	71.1	90.1	1.0	5	5	114	26.4	P-600			
3KP64A	3KP64CA	64	71.1	81.8	1.0	5	5	103	29.2	P-600			
3KP70	3KP70C	70	77.8	98.6	1.0	5	5	125	24.0	P-600			
3KP70A	3KP70CA	70	77.8	89.5	1.0	5	5	113	26.6	P-600			
3KP75	3KP75C	75	83.3	105.7	1.0	5	5	134	22.4	P-600			
3KP75A	3KP75CA	75	83.3	95.8	1.0	5	5	121	24.8	P-600			
3KP78	3KP78C	78	86.7	109.8	1.0	5	5	139	21.6	P-600			
3KP78A	3KP78CA	78	86.7	99.7	1.0	5	5	126	22.8	P-600			
3KP85	3KP85C	85	94.4	119.2	1.0	5	5	151	19.8	P-600			
3KP85A	3KP85CA	85	94.4	108.2	1.0	5	5	137	20.8	P-600			
3KP90	3KP90C	90	100	126.5	1.0	5	5	160	18.8	P-600			
3KP90A	3KP90CA	90	100	115.5	1.0	5	5	146	20.6	P-600			
3KP100	3KP100C	100	111	141.0	1.0	5	5	179	16.6	P-600			
3KP100A	3KP100CA	100	111	128.0	1.0	5	5	162	18.6	P-600			
3KP110	3KP110C	110	122	154.5	1.0	5	5	196	15.4	P-600			
3KP110A	3KP110CA	110	122	140.5	1.0	5	5	177	16.8	P-600			
3KP120	3KP120C	120	133	169.0	1.0	5	5	214	14.0	P-600			
3KP120A	3KP120CA	120	133	153.0	1.0	5	5	193	15.6	P-600			
3KP130	3KP130C	130	144	182.5	1.0	5	5	231	13.0	P-600			
3KP130A	3KP130CA	130	144	165.5	1.0	5	5	209	14.4	P-600			
3KP150	3KP150C	150	167	211.5	1.0	5	5	268	11.2	P-600			
3KP150A	3KP150CA	150	167	192.5	1.0	5	5	243	12.4	P-600			
3KP160	3KP160C	160	178	226.0	1.0	5	5	287	10.4	P-600			
3KP160A	3KP160CA	160	178	205.0	1.0	5	5	259	11.6	P-600			
3KP170	3KP170C	170	189	239.5	1.0	5	5	304	9.8	P-600			
3KP170A	3KP170CA	170	189	217.5	1.0	5	5	275	11.0	P-600			
3KP180	3KP180C	180	198	253.8	1.0	5	5	322	9.3	P-600			
3KP180A	3KP180CA	180	198	230.4	1.0	5	5	292	10.3	P-600			
3KP190	3KP190C	190	209	267.9	1.0	5	5	340	8.8	P-600			
3KP190A	3KP190CA	190	209	243.2	1.0	5	5	308	9.7	P-600			
3KP200	3KP200C	200	220	282.0	1.0	5	5	358	8.4	P-600			
3KP200A	3KP200CA	200	220	256.0	1.0	5	5	324	9.3	P-600			
3KP210	3KP210C	210	231	296.1	1.0	5	5	376	7.8	P-600			
3KP210A	3KP210CA	210	231	268.8	1.0	5	5	340	8.8	P-600			
3KP220	3KP220C	220	242	310.2	1.0	5	5	394	7.6	P-600			
3KP220A	3KP220CA	220	242	281.6	1.0	5	5	356	8.4	P-600			

T.V.S.

TRANSIENT VOLTAGE SUPPRESSORS |

# Transient Voltage Suppressors (continued)



SMC/DO-214AB

Part Number		Reverse Stand-off Voltage VRWM	Breakdown Voltage		Test Current IT	Reverse Leakage		Max. Clamp Voltage Vc @ IPP	Peak Pulse Current IPP	Package		
			VBR @ IT			IR @ VRWM						
UNI	BI		Min.	Max.		UNI	BI					
V	V	mA	µA	µA	V	A						
<b>3000W Transient Voltage Suppressor</b>												
3.0SMCJ5.0	3.0SMCJ5.0C	5.0	6.40	7.55	10	1000	2000	9.6	312.5	SMC/DO-214AB		
3.0SMCJ5.0A	3.0SMCJ5.0CA	5.0	6.40	7.25	10	1000	2000	9.2	326.0	SMC/DO-214AB		
3.0SMCJ6.0	3.0SMCJ6.0C	6.0	6.67	8.45	10	1000	2000	11.4	263.2	SMC/DO-214AB		
3.0SMCJ6.0A	3.0SMCJ6.0CA	6.0	6.67	7.67	10	1000	2000	10.3	291.3	SMC/DO-214AB		
3.0SMCJ6.5	3.0SMCJ6.5C	6.5	7.22	9.14	10	500	1000	12.3	243.9	SMC/DO-214AB		
3.0SMCJ6.5A	3.0SMCJ6.5CA	6.5	7.22	8.30	10	500	1000	11.2	267.9	SMC/DO-214AB		
3.0SMCJ7.0	3.0SMCJ7.0C	7.0	7.78	9.86	10	200	400	13.3	225.6	SMC/DO-214AB		
3.0SMCJ7.0A	3.0SMCJ7.0CA	7.0	7.78	8.95	10	200	400	12.0	250.0	SMC/DO-214AB		
3.0SMCJ7.5	3.0SMCJ7.5C	7.5	8.33	10.67	1.0	100	200	14.3	209.8	SMC/DO-214AB		
3.0SMCJ7.5A	3.0SMCJ7.5CA	7.5	8.33	9.58	1.0	100	200	12.9	232.6	SMC/DO-214AB		
3.0SMCJ8.0	3.0SMCJ8.0C	8.0	8.89	11.30	1.0	50	100	15.0	200.0	SMC/DO-214AB		
3.0SMCJ8.0A	3.0SMCJ8.0CA	8.0	8.89	10.23	1.0	50	100	13.6	220.6	SMC/DO-214AB		
3.0SMCJ8.5	3.0SMCJ8.5C	8.5	9.44	11.92	1.0	25	50	15.9	188.8	SMC/DO-214AB		
3.0SMCJ8.5A	3.0SMCJ8.5CA	8.5	9.44	10.82	1.0	25	50	14.4	208.4	SMC/DO-214AB		
3.0SMCJ9.0	3.0SMCJ9.0C	9.0	10.0	12.6	1.0	10	20	16.9	177.4	SMC/DO-214AB		
3.0SMCJ9.0A	3.0SMCJ9.0CA	9.0	10.0	11.5	1.0	10	20	15.4	194.8	SMC/DO-214AB		
3.0SMCJ10	3.0SMCJ10C	10	11.1	14.1	1.0	5	5	18.8	159.6	SMC/DO-214AB		
3.0SMCJ10A	3.0SMCJ10CA	10	11.1	12.8	1.0	5	5	17.0	176.4	SMC/DO-214AB		
3.0SMCJ11	3.0SMCJ11C	11	12.2	15.4	1.0	5	5	20.1	149.2	SMC/DO-214AB		
3.0SMCJ11A	3.0SMCJ11CA	11	12.2	14.0	1.0	5	5	18.2	184.8	SMC/DO-214AB		
3.0SMCJ12	3.0SMCJ12C	12	13.3	16.9	1.0	5	5	22.0	136.4	SMC/DO-214AB		
3.0SMCJ12A	3.0SMCJ12CA	12	13.3	15.3	1.0	5	5	19.9	150.6	SMC/DO-214AB		
3.0SMCJ13	3.0SMCJ13C	13	14.4	18.2	1.0	5	5	23.8	126.0	SMC/DO-214AB		
3.0SMCJ13A	3.0SMCJ13CA	13	14.4	16.5	1.0	5	5	21.5	139.4	SMC/DO-214AB		
3.0SMCJ14	3.0SMCJ14C	14	15.6	19.8	1.0	5	5	25.8	116.2	SMC/DO-214AB		
3.0SMCJ14A	3.0SMCJ14CA	14	15.6	17.9	1.0	5	5	23.2	129.4	SMC/DO-214AB		
3.0SMCJ15	3.0SMCJ15C	15	16.7	21.1	1.0	5	5	26.9	111.6	SMC/DO-214AB		
3.0SMCJ15A	3.0SMCJ15CA	15	16.7	19.2	1.0	5	5	24.4	123.0	SMC/DO-214AB		
3.0SMCJ16	3.0SMCJ16C	16	17.8	22.6	1.0	5	5	28.8	104.2	SMC/DO-214AB		
3.0SMCJ16A	3.0SMCJ16CA	16	17.8	20.5	1.0	5	5	26.0	115.4	SMC/DO-214AB		
3.0SMCJ17	3.0SMCJ17C	17	18.9	23.9	1.0	5	5	30.5	98.4	SMC/DO-214AB		
3.0SMCJ17A	3.0SMCJ17CA	17	18.9	21.7	1.0	5	5	27.6	106.6	SMC/DO-214AB		
3.0SMCJ18	3.0SMCJ18C	18	20.0	25.3	1.0	5	5	32.2	93.2	SMC/DO-214AB		
3.0SMCJ18A	3.0SMCJ18CA	18	20.0	23.3	1.0	5	5	29.2	102.8	SMC/DO-214AB		
3.0SMCJ20	3.0SMCJ20C	20	22.2	28.1	1.0	5	5	35.8	83.8	SMC/DO-214AB		
3.0SMCJ20A	3.0SMCJ20CA	20	22.2	25.5	1.0	5	5	32.4	92.6	SMC/DO-214AB		
3.0SMCJ22	3.0SMCJ22C	22	24.4	30.9	1.0	5	5	39.4	76.2	SMC/DO-214AB		
3.0SMCJ22A	3.0SMCJ22CA	22	24.4	28.0	1.0	5	5	35.5	84.4	SMC/DO-214AB		
3.0SMCJ24	3.0SMCJ24C	24	26.7	33.8	1.0	5	5	43.0	69.8	SMC/DO-214AB		
3.0SMCJ24A	3.0SMCJ24CA	24	26.7	30.7	1.0	5	5	38.9	77.2	SMC/DO-214AB		
3.0SMCJ26	3.0SMCJ26C	26	28.9	36.6	1.0	5	5	46.6	64.4	SMC/DO-214AB		
3.0SMCJ26A	3.0SMCJ26CA	26	28.9	33.2	1.0	5	5	42.1	71.2	SMC/DO-214AB		
3.0SMCJ28	3.0SMCJ28C	28	31.1	39.4	1.0	5	5	50.0	60.0	SMC/DO-214AB		
3.0SMCJ28A	3.0SMCJ28CA	28	31.1	35.8	1.0	5	5	45.4	66.0	SMC/DO-214AB		
3.0SMCJ30	3.0SMCJ30C	30	33.3	42.2	1.0	5	5	53.5	56.0	SMC/DO-214AB		
3.0SMCJ30A	3.0SMCJ30CA	30	33.3	38.3	1.0	5	5	48.4	62.0	SMC/DO-214AB		
3.0SMCJ33	3.0SMCJ33C	33	36.7	46.5	1.0	5	5	59.0	50.4	SMC/DO-214AB		
3.0SMCJ33A	3.0SMCJ33CA	33	36.7	42.2	1.0	5	5	53.3	56.2	SMC/DO-214AB		
3.0SMCJ36	3.0SMCJ36C	36	40.0	50.7	1.0	5	5	64.3	46.6	SMC/DO-214AB		
3.0SMCJ36A	3.0SMCJ36CA	36	40.0	46.0	1.0	5	5	58.1	51.6	SMC/DO-214AB		
3.0SMCJ40	3.0SMCJ40C	40	44.4	56.3	1.0	5	5	71.4	42.0	SMC/DO-214AB		
3.0SMCJ40A	3.0SMCJ40CA	40	44.4	51.1	1.0	5	5	64.5	46.4	SMC/DO-214AB		

# Transient Voltage Suppressors (continued)

SMC/DO-214AB

Part Number		Reverse Stand-off Voltage	Breakdown Voltage		Test Current I <sub>T</sub>	Reverse Leakage		Max. Clamp Voltage V <sub>C</sub> @ I <sub>PP</sub>	Peak Pulse Current I <sub>PP</sub>	Package			
		V <sub>RWM</sub>	V <sub>BR</sub> @ I <sub>T</sub>			I <sub>R</sub> @ V <sub>RWM</sub>	UNI	BI					
			Min.	Max.									
UNI	BI	V	V	V	mA	μA	μA	V	A				
<b>3000W Transient Voltage Suppressor --continued</b>													
3.0SMCJ43	3.0SMCJ43C	43	47.8	60.5	1.0	5	5	76.7	39.2	SMC/DO-214AB			
3.0SMCJ43A	3.0SMCJ43CA	43	47.8	54.9	1.0	5	5	69.4	43.2	SMC/DO-214AB			
3.0SMCJ45	3.0SMCJ45C	45	50.0	63.3	1.0	5	5	80.3	37.4	SMC/DO-214AB			
3.0SMCJ45A	3.0SMCJ45CA	45	50.0	57.5	1.0	5	5	72.7	41.2	SMC/DO-214AB			
3.0SMCJ48	3.0SMCJ48C	48	53.3	67.5	1.0	5	5	85.5	35.0	SMC/DO-214AB			
3.0SMCJ48A	3.0SMCJ48CA	48	53.3	61.3	1.0	5	5	77.4	38.8	SMC/DO-214AB			
3.0SMCJ51	3.0SMCJ51C	51	56.7	71.8	1.0	5	5	91.1	37.0	SMC/DO-214AB			
3.0SMCJ51A	3.0SMCJ51CA	51	56.7	65.2	1.0	5	5	82.4	36.4	SMC/DO-214AB			
3.0SMCJ54	3.0SMCJ54C	54	60.0	76.0	1.0	5	5	96.3	31.2	SMC/DO-214AB			
3.0SMCJ54A	3.0SMCJ54CA	54	60.0	69.0	1.0	5	5	87.1	34.4	SMC/DO-214AB			
3.0SMCJ58	3.0SMCJ58C	58	64.4	81.6	1.0	5	5	103	39.2	SMC/DO-214AB			
3.0SMCJ58A	3.0SMCJ58CA	58	64.4	74.1	1.0	5	5	93.6	32.0	SMC/DO-214AB			
3.0SMCJ60	3.0SMCJ60C	60	66.7	84.5	1.0	5	5	107	28.0	SMC/DO-214AB			
3.0SMCJ60A	3.0SMCJ60CA	60	66.7	76.7	1.0	5	5	96.8	31.0	SMC/DO-214AB			
3.0SMCJ64	3.0SMCJ64C	64	71.1	90.1	1.0	5	5	114	26.4	SMC/DO-214AB			
3.0SMCJ64A	3.0SMCJ64CA	64	71.1	81.8	1.0	5	5	103	29.2	SMC/DO-214AB			
3.0SMCJ70	3.0SMCJ70C	70	77.8	98.6	1.0	5	5	125	24.0	SMC/DO-214AB			
3.0SMCJ70A	3.0SMCJ70CA	70	77.8	89.5	1.0	5	5	113	26.6	SMC/DO-214AB			
3.0SMCJ75	3.0SMCJ75C	75	83.3	105.7	1.0	5	5	134	22.4	SMC/DO-214AB			
3.0SMCJ75A	3.0SMCJ75CA	75	83.3	95.8	1.0	5	5	121	24.8	SMC/DO-214AB			
3.0SMCJ78	3.0SMCJ78C	78	86.7	109.8	1.0	5	5	139	21.6	SMC/DO-214AB			
3.0SMCJ78A	3.0SMCJ78CA	78	86.7	99.7	1.0	5	5	126	22.8	SMC/DO-214AB			
3.0SMCJ85	3.0SMCJ85C	85	94.4	119.2	1.0	5	5	151	19.8	SMC/DO-214AB			
3.0SMCJ85A	3.0SMCJ85CA	85	94.4	108.2	1.0	5	5	137	20.8	SMC/DO-214AB			
3.0SMCJ90	3.0SMCJ90C	90	100	126.5	1.0	5	5	160	18.8	SMC/DO-214AB			
3.0SMCJ90A	3.0SMCJ90CA	90	100	115.5	1.0	5	5	146	20.6	SMC/DO-214AB			
3.0SMCJ100	3.0SMCJ100C	100	111	141.0	1.0	5	5	179	16.6	SMC/DO-214AB			
3.0SMCJ100A	3.0SMCJ100CA	100	111	128.0	1.0	5	5	162	18.6	SMC/DO-214AB			
3.0SMCJ110	3.0SMCJ110C	110	122	154.5	1.0	5	5	196	15.4	SMC/DO-214AB			
3.0SMCJ110A	3.0SMCJ110CA	110	122	140.5	1.0	5	5	177	16.8	SMC/DO-214AB			
3.0SMCJ120	3.0SMCJ120C	120	133	169.0	1.0	5	5	214	14.0	SMC/DO-214AB			
3.0SMCJ120A	3.0SMCJ120CA	120	133	153.0	1.0	5	5	193	15.6	SMC/DO-214AB			
3.0SMCJ130	3.0SMCJ130C	130	144	182.5	1.0	5	5	231	13.0	SMC/DO-214AB			
3.0SMCJ130A	3.0SMCJ130CA	130	144	165.5	1.0	5	5	209	14.4	SMC/DO-214AB			
3.0SMCJ150	3.0SMCJ150C	150	167	211.5	1.0	5	5	268	11.2	SMC/DO-214AB			
3.0SMCJ150A	3.0SMCJ150CA	150	167	192.5	1.0	5	5	243	12.4	SMC/DO-214AB			
3.0SMCJ160	3.0SMCJ160C	160	178	226.0	1.0	5	5	287	10.4	SMC/DO-214AB			
3.0SMCJ160A	3.0SMCJ160CA	160	178	205.0	1.0	5	5	259	11.6	SMC/DO-214AB			
3.0SMCJ170	3.0SMCJ170C	170	189	239.5	1.0	5	5	304	9.8	SMC/DO-214AB			
3.0SMCJ170A	3.0SMCJ170CA	170	189	217.5	1.0	5	5	275	11.0	SMC/DO-214AB			
3.0SMCJ180	3.0SMCJ180C	180	198	253.8	1.0	5	5	322	9.3	SMC/DO-214AB			
3.0SMCJ180A	3.0SMCJ180CA	180	198	230.4	1.0	5	5	292	10.3	SMC/DO-214AB			
3.0SMCJ190	3.0SMCJ190C	190	209	267.9	1.0	5	5	340	8.8	SMC/DO-214AB			
3.0SMCJ190A	3.0SMCJ190CA	190	209	243.2	1.0	5	5	308	9.7	SMC/DO-214AB			
3.0SMCJ200	3.0SMCJ200C	200	220	282.0	1.0	5	5	358	8.4	SMC/DO-214AB			
3.0SMCJ200A	3.0SMCJ200CA	200	220	256.0	1.0	5	5	324	9.3	SMC/DO-214AB			
3.0SMCJ210	3.0SMCJ210C	210	231	296.1	1.0	5	5	376	7.8	SMC/DO-214AB			
3.0SMCJ210A	3.0SMCJ210CA	210	231	268.8	1.0	5	5	340	8.8	SMC/DO-214AB			
3.0SMCJ220	3.0SMCJ220C	220	242	310.2	1.0	5	5	394	7.6	SMC/DO-214AB			
3.0SMCJ220A	3.0SMCJ220CA	220	242	281.6	1.0	5	5	356	8.4	SMC/DO-214AB			

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TRANSIENT VOLTAGE SUPPRESSORS

# Transient Voltage Suppressors (continued)



P-600

Part Number		Reverse Stand-off Voltage VRWM	Breakdown Voltage		Test Current IT	Reverse Leakage		Max. Clamp Voltage Vc @ IPP	Peak Pulse Current IPP	Package		
			VBR @ IT			IR @ VRWM						
UNI	BI		Min.	Max.		UNI	BI					
V	V	mA	µA	µA	V	A						
<b>5000W Transient Voltage Suppressor</b>												
5KP5.0	5KP5.0C	5.0	6.40	7.55	50	5000	10000	9.6	520	P-600		
5KP5.0A	5KP5.0CA	5.0	6.40	7.25	50	5000	10000	9.2	543	P-600		
5KP6.0	5KP6.0C	6.0	6.67	8.45	50	5000	10000	11.4	439	P-600		
5KP6.0A	5KP6.0CA	6.0	6.67	7.67	50	5000	10000	10.3	485	P-600		
5KP6.5	5KP6.5C	6.5	7.22	9.14	50	2000	4000	12.3	407	P-600		
5KP6.5A	5KP6.5CA	6.5	7.22	8.30	50	2000	4000	11.2	447	P-600		
5KP7.0	5KP7.0C	7.0	7.78	9.86	50	1000	2000	13.3	378	P-600		
5KP7.0A	5KP7.0CA	7.0	7.78	8.95	50	1000	2000	12.0	417	P-600		
5KP7.5	5KP7.5C	7.5	8.33	10.67	5.0	250	500	14.3	350	P-600		
5KP7.5A	5KP7.5CA	7.5	8.33	9.58	5.0	250	500	12.9	388	P-600		
5KP8.0	5KP8.0C	8.0	8.89	11.30	5.0	150	300	15.0	333	P-600		
5KP8.0A	5KP8.0CA	8.0	8.89	10.23	5.0	150	300	13.6	367	P-600		
5KP8.5	5KP8.5C	8.5	9.44	11.92	5.0	50	100	15.9	314	P-600		
5KP8.5A	5KP8.5CA	8.5	9.44	10.82	5.0	50	100	14.4	347	P-600		
5KP9.0	5KP9.0C	9.0	10.0	12.6	5.0	20	40	16.9	295	P-600		
5KP9.0A	5KP9.0CA	9.0	10.0	11.5	5.0	20	40	15.4	325	P-600		
5KP10	5KP10C	10	11.1	14.1	5.0	10	10	18.8	266	P-600		
5KP10A	5KP10CA	10	11.1	12.8	5.0	10	10	17.0	294	P-600		
5KP11	5KP11C	11	12.2	15.4	5.0	10	10	20.1	249	P-600		
5KP11A	5KP11CA	11	12.2	14.0	5.0	10	10	18.2	274	P-600		
5KP12	5KP12C	12	13.3	16.9	5.0	10	10	22.0	227	P-600		
5KP12A	5KP12CA	12	13.3	15.3	5.0	10	10	19.9	251	P-600		
5KP13	5KP13C	13	14.4	18.2	5.0	10	10	23.8	210	P-600		
5KP13A	5KP13CA	13	14.4	16.5	5.0	10	10	21.5	232	P-600		
5KP14	5KP14C	14	15.6	19.8	5.0	10	10	25.8	194	P-600		
5KP14A	5KP14CA	14	15.6	17.9	5.0	10	10	23.2	215	P-600		
5KP15	5KP15C	15	16.7	21.1	5.0	10	10	26.9	188	P-600		
5KP15A	5KP15CA	15	16.7	19.2	5.0	10	10	24.4	206	P-600		
5KP16	5KP16C	16	17.8	22.6	5.0	10	10	28.8	176	P-600		
5KP16A	5KP16CA	16	17.8	20.5	5.0	10	10	26.0	192	P-600		
5KPJ17	5KPJ17C	17	18.9	23.9	5.0	10	10	30.5	164	P-600		
5KP17A	5KP17CA	17	18.9	21.7	5.0	10	10	27.6	181	P-600		
5KP18	5KP18C	18	20.0	25.3	5.0	10	10	32.2	155	P-600		
5KP18A	5KP18CA	18	20.0	23.3	5.0	10	10	29.2	172	P-600		
5KP20	5KP20C	20	22.2	28.1	5.0	10	10	35.8	139	P-600		
5KP20A	5KP20CA	20	22.2	25.5	5.0	10	10	32.4	154	P-600		
5KP22	5KP22C	22	24.4	30.9	5.0	10	10	39.4	127	P-600		
5KP22A	5KP22CA	22	24.4	28.0	5.0	10	10	35.5	141	P-600		
5KP24	5KP24C	24	26.7	33.8	5.0	10	10	43.0	116	P-600		
5KP24A	5KP24CA	24	26.7	30.7	5.0	10	10	38.9	128	P-600		
5KP26	5KP26C	26	28.9	36.6	5.0	10	10	46.6	107	P-600		
5KP26A	5KP26CA	26	28.9	33.2	5.0	10	10	42.1	119	P-600		
5KP28	5KP28C	28	31.1	39.4	5.0	10	10	50.0	99	P-600		
5KP28A	5KP28CA	28	31.1	35.8	5.0	10	10	45.4	110	P-600		
5KP30	5KP30C	30	33.3	42.2	5.0	10	10	53.5	93	P-600		
5KP30A	5KP30CA	30	33.3	38.3	5.0	10	10	48.4	103	P-600		
5KP33	5KP33C	33	36.7	46.5	5.0	10	10	59.0	85	P-600		
5KP33A	5KP33CA	33	36.7	42.2	5.0	10	10	53.3	94	P-600		
5KP36	5KP36C	36	40.0	50.7	5.0	10	10	64.3	78	P-600		
5KP36A	5KP36CA	36	40.0	46.0	5.0	10	10	58.1	85	P-600		
5KP40	5KP40C	40	44.4	56.3	5.0	10	10	71.4	70	P-600		
5KP40A	5KP40CA	40	44.4	51.1	5.0	10	10	64.5	78	P-600		

# Transient Voltage Suppressors (continued)



P-600

Part Number		Reverse Stand-off Voltage	Breakdown Voltage		Test Current I <sub>T</sub>	Reverse Leakage		Max. Clamp Voltage V <sub>C</sub> @ I <sub>PP</sub>	Peak Pulse Current I <sub>PP</sub>	Package				
		V <sub>RWM</sub>	V <sub>BR</sub> @ I <sub>T</sub>			I <sub>R</sub> @ V <sub>RWM</sub>	UNI							
			Min.	Max.										
UNI	BI	V	V	V	mA	μA	μA	V	A					
<b>5000W Transient Voltage Suppressor --continued</b>														
5KP43	5KP43C	43	47.8	60.5	5.0	10	10	76.7	65	P-600				
5KP43A	5KP43CA	43	47.8	54.9	5.0	10	10	69.4	72	P-600				
5KP45	5KP45C	45	50.0	63.3	5.0	10	10	80.3	62	P-600				
5KP45A	5KP45CA	45	50.0	57.5	5.0	10	10	72.7	69	P-600				
5KP48	5KP48C	48	53.3	67.5	5.0	10	10	85.5	58	P-600				
5KP48A	5KP48CA	48	53.3	61.3	5.0	10	10	77.4	65	P-600				
5KP51	5KP51C	51	56.7	71.8	5.0	10	10	91.1	55	P-600				
5KP51A	5KP51CA	51	56.7	65.2	5.0	10	10	82.4	61	P-600				
5KP54	5KP54C	54	60.0	76.0	5.0	10	10	96.3	52	P-600				
5KP54A	5KP54CA	54	60.0	69.0	5.0	10	10	87.1	57	P-600				
5KP58	5KP58C	58	64.4	81.6	5.0	10	10	103	49	P-600				
5KP58A	5KP58CA	58	64.4	74.1	5.0	10	10	93.6	53	P-600				
5KP60	5KP60C	60	66.7	84.5	5.0	10	10	107	47	P-600				
5KP60A	5KP60CA	60	66.7	76.7	5.0	10	10	96.8	52	P-600				
5KP64	5KP64C	64	71.1	90.1	5.0	10	10	114	44	P-600				
5KP64A	5KP64CA	64	71.1	81.8	5.0	10	10	103	49	P-600				
5KP70	5KP70C	70	77.8	98.6	5.0	10	10	125	40	P-600				
5KP70A	5KP70CA	70	77.8	89.5	5.0	10	10	113	44	P-600				
5KP75	5KP75C	75	83.3	105.7	5.0	10	10	134	37	P-600				
5KP75A	5KP75CA	75	83.3	95.8	5.0	10	10	121	41	P-600				
5KP78	5KP78C	78	86.7	109.8	5.0	10	10	139	36	P-600				
5KP78A	5KP78CA	78	86.7	99.7	5.0	10	10	126	40	P-600				
5KP85	5KP85C	85	94.4	119.2	5.0	10	10	151	33	P-600				
5KP85A	5KP85CA	85	94.4	108.2	5.0	10	10	137	36	P-600				
5KP90	5KP90C	90	100	126.5	5.0	10	10	160	31	P-600				
5KP90A	5KP90CA	90	100	115.5	5.0	10	10	146	34	P-600				
5KP100	5KP100C	100	111	141.0	5.0	10	10	179	28	P-600				
5KP100A	5KP100CA	100	111	128.0	5.0	10	10	162	31	P-600				
5KP110	5KP110C	110	122	154.5	5.0	10	10	196	26	P-600				
5KP110A	5KP110CA	110	122	140.5	5.0	10	10	177	28	P-600				
5KP120	5KP120C	120	133	169.0	5.0	10	10	214	23	P-600				
5KP120A	5KP120CA	120	133	153.0	5.0	10	10	193	20	P-600				
5KP130	5KP130C	130	144	182.5	5.0	10	10	231	22	P-600				
5KP130A	5KP130CA	130	144	165.5	5.0	10	10	209	24	P-600				
5KP150	5KP150C	150	167	211.5	5.0	10	10	268	19	P-600				
5KP150A	5KP150CA	150	167	192.5	5.0	10	10	243	21	P-600				
5KP160	5KP160C	160	178	226.0	5.0	10	10	287	17	P-600				
5KP160A	5KP160CA	160	178	205.0	5.0	10	10	259	19	P-600				
5KP170	5KP170C	170	189	239.5	5.0	10	10	304	16	P-600				
5KP170A	5KP170CA	170	189	217.5	5.0	10	10	275	18	P-600				
5KP180	5KP180C	180	198	253.8	1.0	5	5	322	16	P-600				
5KP180A	5KP180CA	180	198	230.4	1.0	5	5	292	17	P-600				
5KP190	5KP190C	190	209	267.9	1.0	5	5	340	15	P-600				
5KP190A	5KP190CA	190	209	243.2	1.0	5	5	308	16	P-600				
5KP200	5KP200C	200	220	282.0	1.0	5	5	358	14	P-600				
5KP200A	5KP200CA	200	220	256.0	1.0	5	5	324	15	P-600				
5KP210	5KP210C	210	231	296.1	1.0	5	5	376	13	P-600				
5KP210A	5KP210CA	210	231	268.8	1.0	5	5	340	15	P-600				
5KP220	5KP220C	220	242	310.2	1.0	5	5	394	13	P-600				
5KP220A	5KP220CA	220	242	281.6	1.0	5	5	356	14	P-600				

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TRANSIENT VOLTAGE SUPPRESSORS |

## Transient Voltage Suppressors (continued)



P-600

Part Number		Reverse Stand-off Voltage V <sub>RWM</sub>	Breakdown Voltage		Test Current I <sub>T</sub>	Reverse Leakage		Max. Clamp Voltage V <sub>c</sub> @ I <sub>PP</sub>	Peak Pulse Current I <sub>PP</sub>	Package		
			V <sub>BR</sub> @ I <sub>T</sub>			I <sub>R</sub> @ V <sub>RWM</sub>						
UNI	BI		Min.	Max.		UNI	BI					
V	V	V	mA	µA	µA	V	A	V	A			
<b>15000W Transient Voltage Suppressor</b>												
15KP17	15KP17C	17	18.9	23.9	50	5000	5000	30.5	520	P-600		
15KP17A	15KP17CA	17	18.9	21.7	50	5000	5000	27.6	543	P-600		
15KP18	15KP18C	18	20.0	25.3	50	5000	5000	32.2	439	P-600		
15KP18A	15KP18CA	18	20.0	23.3	50	5000	5000	29.2	485	P-600		
15KP20	15KP20C	20	22.2	28.1	20	1500	1500	35.8	396	P-600		
15KP20A	15KP20CA	20	22.2	25.5	20	1500	1500	32.4	437	P-600		
15KP22	15KP22C	22	24.4	30.9	10	900	900	39.4	365	P-600		
15KP22A	15KP22CA	22	24.4	28.0	10	900	900	35.5	404	P-600		
15KP24	15KP24C	24	26.7	33.8	5.0	800	800	43.0	333	P-600		
15KP24A	15KP24CA	24	26.7	30.7	5.0	800	800	38.9	369	P-600		
15KP26	15KP26C	26	28.9	36.6	5.0	200	200	46.6	308	P-600		
15KP26A	15KP26CA	26	28.9	33.2	5.0	200	200	42.1	341	P-600		
15KP28	15KP28C	28	31.1	39.4	5.0	125	125	50.0	286	P-600		
15KP28A	15KP28CA	28	31.1	35.8	5.0	125	125	45.4	316	P-600		
15KP30	15KP30C	30	33.3	42.2	5.0	28	28	53.5	267	P-600		
15KP30A	15KP30CA	30	33.3	38.3	5.0	28	28	48.4	296	P-600		
15KP33	15KP33C	33	36.7	46.5	5.0	10	10	59.0	248	P-600		
15KP33A	15KP33CA	33	36.7	42.2	5.0	10	10	53.3	274	P-600		
15KP36	15KP36C	36	40.0	50.7	5.0	10	10	64.3	227	P-600		
15KP36A	15KP36CA	36	40.0	46.0	5.0	10	10	58.1	251	P-600		
15KP40	15KP40C	40	44.4	56.3	5.0	10	10	71.4	206	P-600		
15KP40A	15KP40CA	40	44.4	51.1	5.0	10	10	64.5	228	P-600		
15KP43	15KP43C	43	47.8	60.5	5.0	10	10	76.7	195	P-600		
15KP43A	15KP43CA	43	47.8	54.9	5.0	10	10	69.4	215	P-600		
15KP45	15KP45C	45	50.0	63.3	5.0	10	10	80.3	186	P-600		
15KP45A	15KP45CA	45	50.0	57.5	5.0	10	10	72.7	205	P-600		
15KP48	15KP48C	48	53.3	67.5	5.0	10	10	85.5	175	P-600		
15KP48A	15KP48CA	48	53.3	61.3	5.0	10	10	77.4	193	P-600		
15KP51	15KP51C	51	56.7	71.8	5.0	10	10	91.1	164	P-600		
15KP51A	15KP51CA	51	56.7	65.2	5.0	10	10	82.4	181	P-600		
15KP54	15KP54C	54	60.0	76.0	5.0	10	10	96.3	155	P-600		
15KP54A	15KP54CA	54	60.0	69.0	5.0	10	10	87.1	171	P-600		
15KP58	15KP58C	58	64.4	81.6	5.0	10	10	103	144	P-600		
15KP58A	15KP58CA	58	64.4	74.1	5.0	10	10	93.6	160	P-600		
15KP60	15KP60C	60	66.7	84.5	5.0	10	10	107	140	P-600		
15KP60A	15KP60CA	60	66.7	76.7	5.0	10	10	96.8	154	P-600		
15KP64	15KP64C	64	71.1	90.1	5.0	10	10	114	130	P-600		
15KP64A	15KP64CA	64	71.1	81.8	5.0	10	10	103	144	P-600		
15KP70	15KP70C	70	77.8	98.6	5.0	10	10	125	119	P-600		
15KP70A	15KP70CA	70	77.8	89.5	5.0	10	10	113	132	P-600		
15KP75	15KP75C	75	83.3	105.7	5.0	10	10	134	111	P-600		
15KP75A	15KP75CA	75	83.3	95.8	5.0	10	10	121	123	P-600		
15KP78	15KP78C	78	86.7	109.8	5.0	10	10	139	107	P-600		
15KP78A	15KP78CA	78	86.7	99.7	5.0	10	10	126	119	P-600		

## Transient Voltage Suppressors (continued)



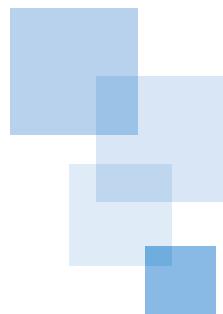
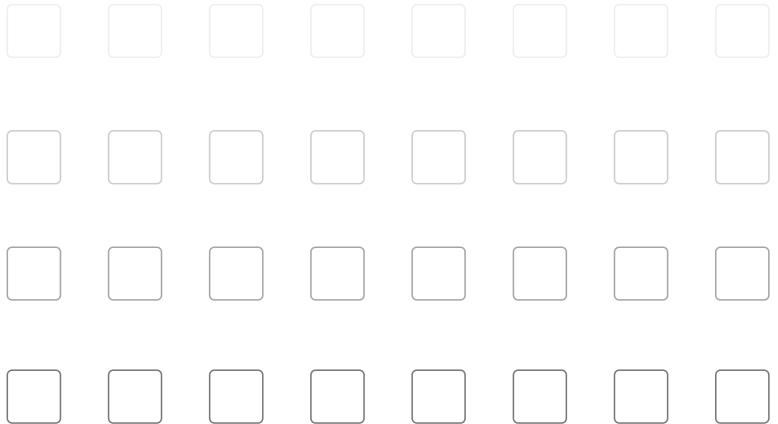
P-600

Part Number		Reverse Stand-off Voltage	Breakdown Voltage	Test Current I <sub>T</sub>	Reverse Leakage		Max. Clamp Voltage V <sub>C</sub> @ I <sub>PP</sub>	Peak Pulse Current I <sub>PP</sub>	Package			
		V <sub>RWM</sub>	V <sub>BR</sub> @ I <sub>T</sub>		I <sub>R</sub> @ V <sub>RWM</sub>							
			Min.	Max.	UNI	BI						
UNI	BI	V	V	mA	μA	μA	V	A				
<b>15000W Transient Voltage Suppressor</b>												
15KP85	15KP85C	85	94.4	119.2	5.0	10	10	151	99	P-600		
15KP85A	15KP85CA	85	94.4	108.2	5.0	10	10	137	109	P-600		
15KP90	15KP90C	90	100	126.5	5.0	10	10	160	94	P-600		
15KP90A	15KP90CA	90	100	115.5	5.0	10	10	146	103	P-600		
15KP100	15KP100C	100	111	141.0	5.0	10	10	179	84	P-600		
15KP100A	15KP100CA	100	111	128.0	5.0	10	10	162	93	P-600		
15KP110	15KP110C	110	122	154.5	5.0	10	10	196	77	P-600		
15KP110A	15KP110CA	110	122	140.5	5.0	10	10	177	85	P-600		
15KP120	15KP120C	120	133	169.0	5.0	10	10	214	70	P-600		
15KP120A	15KP120CA	120	133	153.0	5.0	10	10	193	78	P-600		
15KP130	15KP130C	130	144	182.5	5.0	10	10	231	65	P-600		
15KP130A	15KP130CA	130	144	165.5	5.0	10	10	209	72	P-600		
15KP150	15KP150C	150	167	211.5	5.0	10	10	268	56	P-600		
15KP150A	15KP150CA	150	167	192.5	5.0	10	10	243	62	P-600		
15KP160	15KP160C	160	178	226.0	5.0	10	10	287	52	P-600		
15KP160A	15KP160CA	160	178	205.0	5.0	10	10	259	58	P-600		
15KP170	15KP170C	170	189	239.5	5.0	10	10	304	49	P-600		
15KP170A	15KP170CA	170	189	217.5	5.0	10	10	275	55	P-600		
15KP180	15KP180C	180	198	253.8	5.0	5	5	322	47	P-600		
15KP180A	15KP180CA	180	198	230.4	5.0	5	5	292	51	P-600		
15KP190	15KP190C	190	209	267.9	5.0	5	5	340	44	P-600		
15KP190A	15KP190CA	190	209	243.2	5.0	5	5	308	49	P-600		
15KP200	15KP200C	200	220	282.0	5.0	5	5	358	42	P-600		
15KP200A	15KP200CA	200	220	256.0	5.0	5	5	324	46	P-600		
15KP210	15KP210C	210	231	296.1	5.0	5	5	376	40	P-600		
15KP210A	15KP210CA	210	231	268.8	5.0	5	5	340	44	P-600		
15KP220	15KP220C	220	242	310.2	5.0	5	5	394	38	P-600		
15KP220A	15KP220CA	220	242	281.6	5.0	5	5	356	42	P-600		

T.V.S.

TRANSIENT VOLTAGE SUPPRESSORS





# Zener Diodes

## Product Series

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- 200 mWatt Zener Diodes ..... Page 76
- 410 mWatt Zener Diodes ..... Page 80
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- 1.0 Watt Zener Diodes ..... Page 84
- 1.5 Watt Zener Diodes ..... Page 85
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- 5.0 Watt Zener Diodes ..... Page 91

## Zener Diodes

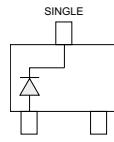
Part Number	Nominal Zener Voltage			Max. Zener Impedance				Max Reverse Leakage Current		Typical Temp. Coefficient	Package		
	Vz @ IzT			ZzT @ IzT		ZzK @ IzK		Ir @ VR					
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	μA	V				
<b>200 mWatts Zener Diodes</b>													
BZT52-C2V4S	2.4	2.28	2.52	85	5	600	1	100	1	-0.075	SOD-323		
BZT52-C2V7S	2.7	2.5	2.9	83	5	500	1	75	1	-0.065	SOD-323		
BZT52-C3S	3	2.8	3.2	95	5	500	1	50	1	-0.060	SOD-323		
BZT52-C3V3S	3.3	3.1	3.5	95	5	500	1	25	1	-0.055	SOD-323		
BZT52-C3V6S	3.6	3.4	3.8	95	5	500	1	15	1	-0.055	SOD-323		
BZT52-C3V9S	3.9	3.7	4.1	95	5	500	1	10	1	-0.050	SOD-323		
BZT52-C4V3S	4.3	4	4.6	95	5	500	1	5.0	1	-0.035	SOD-323		
BZT52-C4V7S	4.7	4.4	5	78	5	500	1	5.0	2	-0.015	SOD-323		
BZT52-C5V1S	5.1	4.8	5.4	60	5	480	1	0.1	0.8	0.005	SOD-323		
BZT52-C5V6S	5.6	5.2	6	40	5	400	1	0.1	1	0.020	SOD-323		
BZT52-C6V2S	6.2	5.8	6.6	10	5	200	1	0.1	2	0.030	SOD-323		
BZT52-C6V8S	6.8	6.4	7.2	8	5	150	1	0.1	3	0.045	SOD-323		
BZT52-C7V5S	7.5	7	7.9	7	5	50	1	0.1	5	0.050	SOD-323		
BZT52-C8V2S	8.2	7.7	8.7	7	5	50	1	0.1	6	0.055	SOD-323		
BZT52-C9V1S	9.1	8.5	9.6	10	5	50	1	0.1	7	0.065	SOD-323		
BZT52-C10S	10	9.4	10.6	15	5	70	1	0.1	7.5	0.070	SOD-323		
BZT52-C11S	11	10.4	11.6	20	5	70	1	0.1	8.5	0.075	SOD-323		
BZT52-C12S	12	11.4	12.7	20	5	90	1	0.1	9	0.080	SOD-323		
BZT52-C13S	13	12.4	14.1	25	5	110	1	0.1	10	0.080	SOD-323		
BZT52-C15S	15	13.8	15.6	30	5	110	1	0.1	11	0.090	SOD-323		
BZT52-C16S	16	15.3	17.1	40	5	170	1	0.1	12	0.090	SOD-323		
BZT52-C18S	18	16.8	19.1	50	5	170	1	0.1	14	0.090	SOD-323		
BZT52-C20S	20	18.8	21.2	50	5	220	1	0.1	15	0.090	SOD-323		
BZT52-C22S	22	20.8	23.3	55	5	220	1	0.1	17	0.090	SOD-323		
BZT52-C24S	24	22.8	25.6	80	5	220	1	0.1	18	0.090	SOD-323		
BZT52-C27S	27	25.1	28.9	80	5	250	1	0.1	20	0.090	SOD-323		
BZT52-C30S	30	28	32	80	5	250	1	0.1	22.5	0.090	SOD-323		
BZT52-C33S	33	31	35	80	5	250	1	0.1	25	0.090	SOD-323		
BZT52-C36S	36	34	38	90	5	250	1	0.1	27	0.090	SOD-323		
BZT52-C39S	39	37	41	90	5	300	1	0.1	29	0.110	SOD-323		

SOD-323

## Zener Diodes (continued)

Part Number	Nominal Zener Voltage			Max. Zener Impedance				Max Reverse Leakage Current		Package	
	Vz @ IzT			ZzT @ IzT		ZzK @ IzK		Ir @ VR			
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	μA	V		
<b>200 mWatts Zener Diodes</b>											
BZX84C2V4W	2.4	2.28	2.52	100	5	600	1	50	1	SOT-323	
BZX84C2V7W	2.7	2.5	2.9	100	5	600	1	20	1	SOT-323	
BZX84C3W	3	2.8	3.2	95	5	600	1	10	1	SOT-323	
BZX84C3V3W	3.3	3.1	3.5	95	5	600	1	5.0	1	SOT-323	
BZX84C3V6W	3.6	3.4	3.8	90	5	600	1	5.0	1	SOT-323	
BZX84C3V9W	3.9	3.7	4.1	90	5	600	1	3.0	1	SOT-323	
BZX84C4V3W	4.3	4	4.6	90	5	600	1	3.0	1	SOT-323	
BZX84C4V7W	4.7	4.4	5	80	5	500	1	3.0	2	SOT-323	
BZX84C5V1W	5.1	4.8	5.4	60	5	480	1	2.0	2.0	SOT-323	
BZX84C5V6W	5.6	5.2	6	40	5	400	1	1.0	2.0	SOT-323	
BZX84C6V2W	6.2	5.8	6.6	10	5	150	1	3.0	4.0	SOT-323	
BZX84C6V8W	6.8	6.4	7.2	15	5	80	1	2.0	4.0	SOT-323	
BZX84C7V5W	7.5	7	7.9	15	5	80	1	1.0	5	SOT-323	
BZX84C8V2W	8.2	7.7	8.7	15	5	80	1	0.7	5	SOT-323	
BZX84C9V1W	9.1	8.5	9.6	15	5	100	1	0.5	6	SOT-323	
BZX84C10W	10	9.4	10.6	20	5	150	1	0.2	7.0	SOT-323	
BZX84C11W	11	10.4	11.6	20	5	150	1	0.1	8.0	SOT-323	
BZX84C12W	12	11.4	12.7	25	5	150	1	0.1	8.0	SOT-323	
BZX84C13W	13	12.4	14.1	30	5	170	1	0.1	8.0	SOT-323	
BZX84C15W	15	13.8	15.6	30	5	200	1	0.1	10.5	SOT-323	
BZX84C16W	16	15.3	17.1	40	5	200	1	0.1	11.2	SOT-323	
BZX84C18W	18	16.8	19.1	45	5	225	1	0.1	12.6	SOT-323	
BZX84C20W	20	18.8	21.2	55	5	225	1	0.1	14.0	SOT-323	
BZX84C22W	22	20.8	23.3	55	5	250	1	0.1	15.4	SOT-323	
BZX84C24W	24	22.8	25.6	70	5	250	1	0.1	16.8	SOT-323	
BZX84C27W	27	25.1	28.9	80	5	300	1	0.1	18.9	SOT-323	
BZX84C30W	30	28	32	80	5	300	1	0.1	21.0	SOT-323	
BZX84C33W	33	31	35	80	5	325	1	0.1	23.1	SOT-323	
BZX84C36W	36	34	38	90	5	350	1	0.1	25.2	SOT-323	
BZX84C39W	39	37	41	130	5	350	1	0.1	27.3	SOT-323	

SOT-323



Circuit Figure

## Zener Diodes (continued)

Part Number	Nominal Zener Voltage			Max. Zener Impedance				Max Reverse Leakage Current		Package	
	V <sub>Z</sub> @ I <sub>ZT</sub>			Z <sub>ZT</sub> @ I <sub>ZT</sub>		Z <sub>ZK</sub> @ I <sub>ZK</sub>		I <sub>R</sub> @ V <sub>R</sub>			
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	μA	V		
<b>200 mWatts Zener Diodes</b>											
MMSZ5221BS	2.4	2.28	2.52	30	20	1200	0.25	100	1	SOD-323	
MMSZ5222BS	2.5	2.38	2.63	30	20	1250	0.25	100	1	SOD-323	
MMSZ5223BS	2.7	2.57	2.84	30	20	1300	0.25	75	1	SOD-323	
MMSZ5225BS	3	2.85	3.15	30	20	1600	0.25	50	1	SOD-323	
MMSZ5226BS	3.3	3.14	3.47	28	20	1600	0.25	25	1	SOD-323	
MMSZ5227BS	3.6	3.42	3.78	24	20	1700	0.25	15	1	SOD-323	
MMSZ5228BS	3.9	3.71	4.1	23	20	1900	0.25	10	1	SOD-323	
MMSZ5229BS	4.3	4.09	4.52	22	20	2000	0.25	5	1	SOD-323	
MMSZ5230BS	4.7	4.47	4.94	19	20	1900	0.25	5	2	SOD-323	
MMSZ5231BS	5.1	4.85	5.36	17	20	1600	0.25	5	2	SOD-323	
MMSZ5232BS	5.6	5.32	5.88	11	20	1600	0.25	5	3	SOD-323	
MMSZ5234BS	6.2	5.89	6.51	7	20	1000	0.25	5	4	SOD-323	
MMSZ5235BS	6.8	6.46	7.14	5	20	750	0.25	3	5	SOD-323	
MMSZ5236BS	7.5	7.13	7.88	6	20	500	0.25	3	6	SOD-323	
MMSZ5237BS	8.2	7.79	8.61	8	20	500	0.25	3	6	SOD-323	
MMSZ5239BS	9.1	8.65	9.56	10	20	600	0.25	3	6.5	SOD-323	
MMSZ5240BS	10	9.5	10.5	17	20	600	0.25	3	8	SOD-323	
MMSZ5241BS	11	10.45	11.55	22	20	600	0.25	3	8.4	SOD-323	
MMSZ5242BS	12	11.4	12.6	30	20	600	0.25	2	9.1	SOD-323	
MMSZ5243BS	13	12.35	13.65	13	9.5	600	0.25	1	9.9	SOD-323	
MMSZ5245BS	15	14.25	15.75	16	8.5	600	0.25	0.5	11	SOD-323	
MMSZ5246BS	16	15.2	16.8	17	7.8	600	0.25	0.1	12	SOD-323	
MMSZ5248BS	18	17.1	18.9	21	7	600	0.25	0.1	14	SOD-323	
MMSZ5250BS	20	19	21	25	6.2	600	0.25	0.1	15	SOD-323	
MMSZ5251BS	22	20.9	23.1	29	5.6	600	0.25	0.1	17	SOD-323	
MMSZ5252BS	24	22.8	25.2	33	5.2	600	0.25	0.1	18	SOD-323	
MMSZ5254BS	27	25.65	28.35	41	5	600	0.25	0.1	21	SOD-323	
MMSZ5255BS	28	26.6	29.4	44	4.5	600	0.25	0.1	21	SOD-323	
MMSZ5256BS	30	28.5	31.5	49	4.2	600	0.25	0.1	23	SOD-323	
MMSZ5257BS	33	31.35	34.65	58	3.8	700	0.25	0.1	25	SOD-323	
MMSZ5258BS	36	34.2	37.8	70	3.4	700	0.25	0.1	27	SOD-323	
MMSZ5259BS	39	37.05	40.95	80	3.2	800	0.25	0.1	30	SOD-323	

ZENER

ZENER DIODES

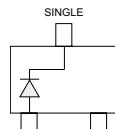
SOD-323

## Zener Diodes (continued)

Part Number	Nominal Zener Voltage			Max. Zener Impedance				Max Reverse Leakage Current		Package	
	Vz @ IzT			ZzT @ IzT		ZzK @ IzK		Ir @ VR			
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	μA	V		
<b>200 mWatts Zener Diodes</b>											
MMBZ5221BW	2.4	2.28	2.52	30	20	1200	0.25	100	1	SOT-323	
MMBZ5222BW	2.5	2.38	2.63	30	20	1250	0.25	100	1	SOT-323	
MMBZ5223BW	2.7	2.57	2.84	30	20	1300	0.25	75	1	SOT-323	
MMBZ5225BW	3	2.85	3.15	30	20	1600	0.25	50	1	SOT-323	
MMBZ5226BW	3.3	3.14	3.47	28	20	1600	0.25	25	1	SOT-323	
MMBZ5227BW	3.6	3.42	3.78	24	20	1700	0.25	15	1	SOT-323	
MMBZ5228BW	3.9	3.71	4.1	23	20	1900	0.25	10	1	SOT-323	
MMBZ5229BW	4.3	4.09	4.52	22	20	2000	0.25	5	1	SOT-323	
MMBZ5230BW	4.7	4.47	4.94	19	20	1900	0.25	5	2	SOT-323	
MMBZ5231BW	5.1	4.85	5.36	17	20	1600	0.25	5	2	SOT-323	
MMBZ5232BW	5.6	5.32	5.88	11	20	1600	0.25	5	3	SOT-323	
MMBZ5234BW	6.2	5.89	6.51	7	20	1000	0.25	5	4	SOT-323	
MMBZ5235BW	6.8	6.46	7.14	5	20	750	0.25	3	5	SOT-323	
MMBZ5236BW	7.5	7.13	7.88	6	20	500	0.25	3	6	SOT-323	
MMBZ5237BW	8.2	7.79	8.61	8	20	500	0.25	3	6	SOT-323	
MMBZ5239BW	9.1	8.65	9.56	10	20	600	0.25	3	6.5	SOT-323	
MMBZ5240BW	10	9.5	10.5	17	20	600	0.25	3	8	SOT-323	
MMBZ5241BW	11	10.45	11.55	22	20	600	0.25	3	8.4	SOT-323	
MMBZ5242BW	12	11.4	12.6	30	20	600	0.25	2	9.1	SOT-323	
MMBZ5243BW	13	12.35	13.65	13	9.5	600	0.25	1	9.9	SOT-323	
MMBZ5245BW	15	14.25	15.75	16	8.5	600	0.25	0.5	11	SOT-323	
MMBZ5246BW	16	15.2	16.8	17	7.8	600	0.25	0.1	12	SOT-323	
MMBZ5248BW	18	17.1	18.9	21	7	600	0.25	0.1	14	SOT-323	
MMBZ5250BW	20	19	21	25	6.2	600	0.25	0.1	15	SOT-323	
MMBZ5251BW	22	20.9	23.1	29	5.6	600	0.25	0.1	17	SOT-323	
MMBZ5252BW	24	22.8	25.2	33	5.2	600	0.25	0.1	18	SOT-323	
MMBZ5254BW	27	25.65	28.35	41	5	600	0.25	0.1	21	SOT-323	
MMBZ5255BW	28	26.6	29.4	44	4.5	600	0.25	0.1	21	SOT-323	
MMBZ5256BW	30	28.5	31.5	49	4.2	600	0.25	0.1	23	SOT-323	
MMBZ5257BW	33	31.35	34.65	58	3.8	700	0.25	0.1	25	SOT-323	
MMBZ5258BW	36	34.2	37.8	70	3.4	700	0.25	0.1	27	SOT-323	
MMBZ5259BW	39	37.05	40.95	80	3.2	800	0.25	0.1	30	SOT-323	



SOT-323



Circuit Figure

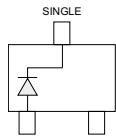
## Zener Diodes (continued)

Part Number	Nominal Zener Voltage @ Iz =5mA			Dynamic Resistance Impedance				Max Reverse Leakage Current		Package	
	Vz @ IzT			ZzT @ IzT		ZzK @ IzK		Ir @ VR			
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	μA	V		
<b>410 mWatts Zener Diodes</b>											
BZT52-C2V4	2.4	2.28	2.52	85	5.0	600	1.0	100	1.0	SOD-123	
BZT52-C2V7	2.7	2.5	2.9	83	5.0	500	1.0	75	1.0	SOD-123	
BZT52-C3	3.0	2.8	3.2	95	5.0	500	1.0	50	1.0	SOD-123	
BZT52-C3V3	3.3	3.1	3.5	95	5.0	500	1.0	25	1.0	SOD-123	
BZT52-C3V6	3.6	3.4	3.8	95	5.0	500	1.0	15	1.0	SOD-123	
BZT52-C3V9	3.9	3.7	4.1	95	5.0	500	1.0	10	1.0	SOD-123	
BZT52-C4V3	4.3	4.0	4.6	95	5.0	500	1.0	5.0	1.0	SOD-123	
BZT52-C4V7	4.7	4.4	5	78	5.0	500	1.0	5.0	1.0	SOD-123	
BZT52-C5V1	5.1	4.8	5.4	60	5.0	480	1.0	0.1	0.8	SOD-123	
BZT52-C5V6	5.6	5.2	6	40	5.0	400	1.0	0.1	1.0	SOD-123	
BZT52-C6V2	6.2	5.8	6.6	10	5.0	200	1.0	0.1	2.0	SOD-123	
BZT52-C6V8	6.8	6.4	7.2	8.0	5.0	150	1.0	0.1	3.0	SOD-123	
BZT52-C7V5	7.5	7.0	7.9	7.0	5.0	50	1.0	0.1	5.0	SOD-123	
BZT52-C8V2	8.2	7.7	8.7	7.0	5.0	50	1.0	0.1	6.0	SOD-123	
BZT52-C9V1	9.1	8.5	9.6	10	5.0	50	1.0	0.1	7.0	SOD-123	
BZT52-C10	10	9.4	10.6	15	5.0	70	1.0	0.1	7.5	SOD-123	
BZT52-C11	11	10.4	11.6	20	5.0	70	1.0	0.1	8.5	SOD-123	
BZT52-C12	12	11.4	12.7	20	5.0	90	1.0	0.1	9.0	SOD-123	
BZT52-C13	13	12.4	14.1	25	5.0	110	1.0	0.1	10	SOD-123	
BZT52-C15	15	13.8	15.6	30	5.0	110	1.0	0.1	11	SOD-123	
BZT52-C16	16	15.3	17.1	40	5.0	170	1.0	0.1	12	SOD-123	
BZT52-C18	18	16.8	19.1	50	5.0	170	1.0	0.1	14	SOD-123	
BZT52-C20	20	18.8	21.2	50	5.0	220	1.0	0.1	15	SOD-123	
BZT52-C22	22	20.8	23.3	55	5.0	220	1.0	0.1	17	SOD-123	
BZT52-C24	24	22.8	25.6	80	5.0	220	1.0	0.1	18	SOD-123	
BZT52-C27	27	25.1	28.9	80	5.0	250	1.0	0.1	20	SOD-123	
BZT52-C30	30	28	32	80	5.0	250	1.0	0.1	22.5	SOD-123	
BZT52-C33	33	31	35	80	5.0	250	1.0	0.1	25	SOD-123	
BZT52-C36	36	34	38	90	5.0	250	1.0	0.1	27	SOD-123	
BZT52-C39	39	37	41	90	5.0	300	1.0	0.1	29	SOD-123	

SOD-123

## Zener Diodes (continued)

Part Number	Nominal Zener Voltage			Max. Zener Impedance				Max Reverse Leakage Current		Package	
	Vz @ IzT			ZzT @ IzT		ZzK @ IzK		Ir @ VR			
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	μA	V		
<b>410 mWatts Zener Diodes</b>											
BZX84C2V4	2.4	2.28	2.52	100	5	600	1	50	1	SOT-23	
BZX84C2V7	2.7	2.5	2.9	100	5	600	1	20	1	SOT-23	
BZX84C3	3	2.8	3.2	95	5	600	1	10	1	SOT-23	
BZX84C3V3	3.3	3.1	3.5	95	5	600	1	5.0	1	SOT-23	
BZX84C3V6	3.6	3.4	3.8	90	5	600	1	5.0	1	SOT-23	
BZX84C3V9	3.9	3.7	4.1	90	5	600	1	3.0	1	SOT-23	
BZX84C4V3	4.3	4	4.6	90	5	600	1	3.0	1	SOT-23	
BZX84C4V7	4.7	4.4	5	80	5	500	1	3.0	2	SOT-23	
BZX84C5V1	5.1	4.8	5.4	60	5	480	1	2.0	2.0	SOT-23	
BZX84C5V6	5.6	5.2	6	40	5	400	1	1.0	2.0	SOT-23	
BZX84C6V2	6.2	5.8	6.6	10	5	150	1	3.0	4.0	SOT-23	
BZX84C6V8	6.8	6.4	7.2	15	5	80	1	2.0	4.0	SOT-23	
BZX84C7V5	7.5	7	7.9	15	5	80	1	1.0	5	SOT-23	
BZX84C8V2	8.2	7.7	8.7	15	5	80	1	0.7	5	SOT-23	
BZX84C9V1	9.1	8.5	9.6	15	5	100	1	0.5	6	SOT-23	
BZX84C10	10	9.4	10.6	20	5	150	1	0.2	7.0	SOT-23	
BZX84C11	11	10.4	11.6	20	5	150	1	0.1	8.0	SOT-23	
BZX84C12	12	11.4	12.7	25	5	150	1	0.1	8.0	SOT-23	
BZX84C13	13	12.4	14.1	30	5	170	1	0.1	8.0	SOT-23	
BZX84C15	15	13.8	15.6	30	5	200	1	0.1	10.5	SOT-23	
BZX84C16	16	15.3	17.1	40	5	200	1	0.1	11.2	SOT-23	
BZX84C18	18	16.8	19.1	45	5	225	1	0.1	12.6	SOT-23	
BZX84C20	20	18.8	21.2	55	5	225	1	0.1	14.0	SOT-23	
BZX84C22	22	20.8	23.3	55	5	250	1	0.1	15.4	SOT-23	
BZX84C24	24	22.8	25.6	70	5	250	1	0.1	16.8	SOT-23	
BZX84C27	27	25.1	28.9	80	5	300	1	0.1	18.9	SOT-23	
BZX84C30	30	28	32	80	5	300	1	0.1	21.0	SOT-23	
BZX84C33	33	31	35	80	5	325	1	0.1	23.1	SOT-23	
BZX84C36	36	34	38	90	5	350	1	0.1	25.2	SOT-23	
BZX84C39	39	37	41	130	5	350	1	0.1	27.3	SOT-23	



Circuit Figure



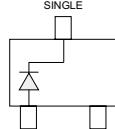
SOT-23

## Zener Diodes (continued)

Part Number	Nominal Zener Voltage			Max. Zener Impedance				Max Reverse Leakage Current		Package	
	Vz @ IzT			ZzT @ IzT		Zzk @ Izk		Ir @ VR			
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	μA	V		
<b>410 mWatts Zener Diodes</b>											
MMBZ5221B	2.4	2.28	2.52	30	20	1200	0.25	100	1	SOT-23	
MMBZ5222B	2.5	2.38	2.63	30	20	1250	0.25	100	1	SOT-23	
MMBZ5223B	2.7	2.57	2.84	30	20	1300	0.25	75	1	SOT-23	
MMBZ5225B	3	2.85	3.15	30	20	1600	0.25	50	1	SOT-23	
MMBZ5226B	3.3	3.14	3.47	28	20	1600	0.25	25	1	SOT-23	
MMBZ5227B	3.6	3.42	3.78	24	20	1700	0.25	15	1	SOT-23	
MMBZ5228B	3.9	3.71	4.1	23	20	1900	0.25	10	1	SOT-23	
MMBZ5229B	4.3	4.09	4.52	22	20	2000	0.25	5	1	SOT-23	
MMBZ5230B	4.7	4.47	4.94	19	20	1900	0.25	5	2	SOT-23	
MMBZ5231B	5.1	4.85	5.36	17	20	1600	0.25	5	2	SOT-23	
MMBZ5232B	5.6	5.32	5.88	11	20	1600	0.25	5	3	SOT-23	
MMBZ5234B	6.2	5.89	6.51	7	20	1000	0.25	5	4	SOT-23	
MMBZ5235B	6.8	6.46	7.14	5	20	750	0.25	3	5	SOT-23	
MMBZ5236B	7.5	7.13	7.88	6	20	500	0.25	3	6	SOT-23	
MMBZ5237B	8.2	7.79	8.61	8	20	500	0.25	3	6	SOT-23	
MMBZ5239B	9.1	8.65	9.56	10	20	600	0.25	3	6.5	SOT-23	
MMBZ5240B	10	9.5	10.5	17	20	600	0.25	3	8	SOT-23	
MMBZ5241B	11	10.45	11.55	22	20	600	0.25	3	8.4	SOT-23	
MMBZ5242B	12	11.4	12.6	30	20	600	0.25	2	9.1	SOT-23	
MMBZ5243B	13	12.35	13.65	13	9.5	600	0.25	1	9.9	SOT-23	
MMBZ5245B	15	14.25	15.75	16	8.5	600	0.25	0.5	11	SOT-23	
MMBZ5246B	16	15.2	16.8	17	7.8	600	0.25	0.1	12	SOT-23	
MMBZ5248B	18	17.1	18.9	21	7	600	0.25	0.1	14	SOT-23	
MMBZ5250B	20	19	21	25	6.2	600	0.25	0.1	15	SOT-23	
MMBZ5251B	22	20.9	23.1	29	5.6	600	0.25	0.1	17	SOT-23	
MMBZ5252B	24	22.8	25.2	33	5.2	600	0.25	0.1	18	SOT-23	
MMBZ5254B	27	25.65	28.35	41	5	600	0.25	0.1	21	SOT-23	
MMBZ5255B	28	26.6	29.4	44	4.5	600	0.25	0.1	21	SOT-23	
MMBZ5256B	30	28.5	31.5	49	4.2	600	0.25	0.1	23	SOT-23	
MMBZ5257B	33	31.35	34.65	58	3.8	700	0.25	0.1	25	SOT-23	
MMBZ5258B	36	34.2	37.8	70	3.4	700	0.25	0.1	27	SOT-23	
MMBZ5259B	39	37.05	40.95	80	3.2	800	0.25	0.1	30	SOT-23	



SOT-23



Circuit Figure

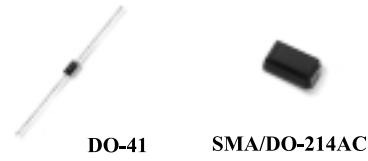
## Zener Diodes (continued)

Part Number	Nominal Zener Voltage			Max. Zener Impedance				Max Reverse Leakage Current		Package	
	Vz @ IzT			ZzT @ IzT		ZzK @ IzK		Iz @ VR			
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	μA	V		
<b>500 mWatts Zener Diodes</b>											
MMSZ5221B	2.4	2.28	2.52	30	20	1200	0.25	100	1.0	SOD-123	
MMSZ5222B	2.5	2.38	2.63	30	20	1250	0.25	100	1.0	SOD-123	
MMSZ5223B	2.7	2.57	2.84	30	20	1300	0.25	75	1.0	SOD-123	
MMSZ5225B	3.0	2.85	3.15	30	20	1600	0.25	50	1.0	SOD-123	
MMSZ5226B	3.3	3.14	3.47	28	20	1600	0.25	25	1.0	SOD-123	
MMSZ5227B	3.6	3.42	3.78	24	20	1700	0.25	15	1.0	SOD-123	
MMSZ5228B	3.9	3.71	4.1	23	20	1900	0.25	10	1.0	SOD-123	
MMSZ5229B	4.3	4.09	4.52	22	20	2000	0.25	5.0	1.0	SOD-123	
MMSZ5230B	4.7	4.47	4.94	19	20	1900	0.25	5.0	2.0	SOD-123	
MMSZ5231B	5.1	4.85	5.36	17	20	1600	0.25	5.0	2.0	SOD-123	
MMSZ5232B	5.6	5.32	5.88	11	20	1600	0.25	5.0	3.0	SOD-123	
MMSZ5234B	6.2	5.89	6.51	7.0	20	1000	0.25	5.0	4.0	SOD-123	
MMSZ5235B	6.8	6.46	7.14	5.0	20	750	0.25	3.0	5.0	SOD-123	
MMSZ5236B	7.5	7.13	7.88	6.0	20	500	0.25	3.0	6.0	SOD-123	
MMSZ5237B	8.2	7.79	8.61	8.0	20	500	0.25	3.0	6.0	SOD-123	
MMSZ5239B	9.1	8.65	9.56	10	20	600	0.25	3.0	6.5	SOD-123	
MMSZ5240B	10	9.5	10.5	17	20	600	0.25	3.0	8.0	SOD-123	
MMSZ5241B	11	10.45	11.55	22	20	600	0.25	3.0	8.4	SOD-123	
MMSZ5242B	12	11.4	12.6	30	20	600	0.25	2.0	9.1	SOD-123	
MMSZ5243B	13	12.35	13.65	13	9.5	600	0.25	1.0	9.9	SOD-123	
MMSZ5245B	15	14.25	15.75	16	8.5	600	0.25	0.5	11	SOD-123	
MMSZ5246B	16	15.2	16.8	17	7.8	600	0.25	0.1	12	SOD-123	
MMSZ5248B	18	17.1	18.9	21	7.0	600	0.25	0.1	14	SOD-123	
MMSZ5250B	20	19	21	25	6.2	600	0.25	0.1	15	SOD-123	
MMSZ5251B	22	20.9	23.1	29	5.6	600	0.25	0.1	17	SOD-123	
MMSZ5252B	24	22.8	25.2	33	5.2	600	0.25	0.1	18	SOD-123	
MMSZ5254B	27	25.65	28.35	41	5	600	0.25	0.1	21	SOD-123	
MMSZ5255B	28	26.6	29.4	44	4.5	600	0.25	0.1	21	SOD-123	
MMSZ5256B	30	28.5	31.5	49	4.2	600	0.25	0.1	23	SOD-123	
MMSZ5257B	33	31.35	34.65	58	3.8	700	0.25	0.1	25	SOD-123	
MMSZ5258B	36	34.2	37.8	70	3.4	700	0.25	0.1	27	SOD-123	
MMSZ5259B	39	37.05	40.95	80	3.2	800	0.25	0.1	30	SOD-123	

SOD-123

## Zener Diodes (continued)

Part Number	Nominal Zener Voltage	Test Current	Max. Zener Impedance			Leakage Current		Max. Zener Current	Package
	V <sub>Z</sub> @ I <sub>ZT</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub> @ I <sub>ZT</sub>	Z <sub>ZK</sub> @ I <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R</sub> @ V <sub>R</sub>	I <sub>ZM</sub>		
	V	mA	Ω	Ω	mA	μA	V	mA	
<b>1.0 watt Zener Diodes</b>									
1N4741A	11	23	8.0	700	0.25	5.0	8.4	90.9	DO-41
1N4742A	12	21	9.0	700	0.25	5.0	9.1	83.3	DO-41
1N4743A	13	19	10	700	0.25	5.0	9.9	70.9	DO-41
1N4744A	15	17	14	700	0.25	5.0	11.4	60.7	DO-41
1N4745A	16	15.5	16	700	0.25	5.0	12.2	62.5	DO-41
1N4746A	18	14	20	750	0.25	5.0	13.7	55.6	DO-41
1N4747A	20	12.5	22	750	0.25	5.0	15.2	50.0	DO-41
1N4748A	22	11.5	23	750	0.25	5.0	16.7	45.5	DO-41
1N4749A	24	10.5	25	750	0.25	5.0	18.2	41.7	DO-41
1N4750A	27	9.5	35	750	0.25	5.0	20.6	37.0	DO-41
1N4751A	30	8.5	40	1000	0.25	5.0	22.8	33.3	DO-41
1N4752A	33	7.5	45	1000	0.25	5.0	25.1	30.3	DO-41
1N4753A	36	7.0	50	1000	0.25	5.0	27.4	27.8	DO-41
1N4754A	39	6.5	60	1000	0.25	5.0	29.7	25.6	DO-41
1N4755A	43	6.0	70	1500	0.25	5.0	32.7	23.2	DO-41
1N4756A	47	5.5	80	1500	0.25	5.0	35.8	21.3	DO-41
1N4757A	51	5.0	95	1500	0.25	5.0	38.8	19.6	DO-41
1N4758A	56	4.5	110	2000	0.25	5.0	42.6	17.8	DO-41
1N4759A	62	4.0	125	2000	0.25	5.0	47.1	16.1	DO-41
1N4760A	68	3.7	150	2000	0.25	5.0	51.7	14.7	DO-41
1N4761A	75	3.3	175	2000	0.25	5.0	56.0	13.3	DO-41
1N4762A	82	3.0	200	3000	0.25	5.0	62.2	12.2	DO-41
1N4763A	91	2.8	250	3000	0.25	5.0	69.2	11.0	DO-41
1N4764A	100	2.5	350	3000	0.25	5.0	76.0	10.0	DO-41
1M110Z	110	2.3	450	4000	0.25	5.0	83.6	9.1	DO-41
1M120Z	120	2.0	550	4500	0.25	5.0	91.2	8.3	DO-41
1M130Z	130	1.9	700	5000	0.25	5.0	98.8	7.7	DO-41
1M150Z	150	1.7	1000	6000	0.25	5.0	114.0	6.7	DO-41
1M160Z	160	1.6	1100	6500	0.25	5.0	121.6	6.3	DO-41
1M180Z	180	1.4	1200	7000	0.25	5.0	136.8	5.6	DO-41
1M200Z	200	1.2	1500	8000	0.25	5.0	152.0	5.0	DO-41
1SMA4741	11	23	8.0	700	0.25	5.0	8.4	90.9	SMA/DO-214AC
1SMA4742	12	21	9.0	700	0.25	5.0	9.1	83.3	SMA/DO-214AC
1SMA4743	13	19	10	700	0.25	5.0	9.9	70.9	SMA/DO-214AC
1SMA4744	15	17	14	700	0.25	5.0	11.4	60.7	SMA/DO-214AC
1SMA4745	16	15.5	16	700	0.25	5.0	12.2	62.5	SMA/DO-214AC
1SMA4746	18	14	20	750	0.25	5.0	13.7	55.6	SMA/DO-214AC
1SMA4747	20	12.5	22	750	0.25	5.0	15.2	50.0	SMA/DO-214AC
1SMA4748	22	11.5	23	750	0.25	5.0	16.7	45.5	SMA/DO-214AC
1SMA4749	24	10.5	25	750	0.25	5.0	18.2	41.7	SMA/DO-214AC
1SMA4750	27	9.5	35	750	0.25	5.0	20.6	37.0	SMA/DO-214AC



DO-41

SMA/DO-214AC

## Zener Diodes (continued)

Part Number	Nominal Zener Voltage	Test Current	Max. Zener Impedance			Leakage Current		Max. Zener Current	Package
	V <sub>Z</sub> @ I <sub>ZT</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub> @ I <sub>ZT</sub>	Z <sub>ZK</sub> @ I <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R</sub> @ V <sub>R</sub>	I <sub>ZM</sub>		
	V	mA	Ω	Ω	mA	μA	V	mA	
<b>1.0 watt Zener Diodes --continued</b>									
1SMA4751	30	8.5	40	1000	0.25	5.0	22.8	33.3	SMA/DO-214AC
1SMA4752	33	7.5	45	1000	0.25	5.0	25.1	30.3	SMA/DO-214AC
1SMA4753	36	7.0	50	1000	0.25	5.0	27.4	27.8	SMA/DO-214AC
1SMA4754	39	6.5	60	1000	0.25	5.0	29.7	25.6	SMA/DO-214AC
1SMA4755	43	6.0	70	1500	0.25	5.0	32.7	23.2	SMA/DO-214AC
1SMA4756	47	5.5	80	1500	0.25	5.0	35.8	21.3	SMA/DO-214AC
1SMA4757	51	5.0	95	1500	0.25	5.0	38.8	19.6	SMA/DO-214AC
1SMA4758	56	4.5	110	2000	0.25	5.0	42.6	17.8	SMA/DO-214AC
1SMA4759	62	4.0	125	2000	0.25	5.0	47.1	16.1	SMA/DO-214AC
1SMA4760	68	3.7	150	2000	0.25	5.0	51.7	14.7	SMA/DO-214AC
1SMA4761	75	3.3	175	2000	0.25	5.0	56.0	13.3	SMA/DO-214AC
1SMA4762	82	3.0	200	3000	0.25	5.0	62.2	12.2	SMA/DO-214AC
1SMA4763	91	2.8	250	3000	0.25	5.0	69.2	11.0	SMA/DO-214AC
1SMA4764	100	2.5	350	3000	0.25	5.0	76.0	10.0	SMA/DO-214AC
1SMA110Z	110	2.3	450	4000	0.25	5.0	83.6	9.1	SMA/DO-214AC
1SMA120Z	120	2.0	550	4500	0.25	5.0	91.2	8.3	SMA/DO-214AC
1SMA130Z	130	1.9	700	5000	0.25	5.0	98.8	7.7	SMA/DO-214AC
1SMA150Z	150	1.7	1000	6000	0.25	5.0	114.0	6.7	SMA/DO-214AC
1SMA160Z	160	1.6	1100	6500	0.25	5.0	121.6	6.3	SMA/DO-214AC
1SMA180Z	180	1.4	1200	7000	0.25	5.0	136.8	5.6	SMA/DO-214AC
1SMA200Z	200	1.2	1500	8000	0.25	5.0	152.0	5.0	SMA/DO-214AC
<b>1.5 watt Zener Diodes</b>									
1N5926B	11	34.1	5.5	550	0.25	1.0	8.4	136	DO-41
1N5927B	12	31.2	6.5	550	0.25	1.0	9.1	125	DO-41
1N5928B	13	28.8	7.0	550	0.25	1.0	9.9	115	DO-41
1N5929B	15	25.0	9.0	600	0.25	1.0	11.4	100	DO-41
1N5930B	16	23.4	10	600	0.25	1.0	12.2	93	DO-41
1N5931B	18	20.8	12	650	0.25	1.0	13.7	83	DO-41
1N5932B	20	18.7	14	650	0.25	1.0	15.2	75	DO-41
1N5933B	22	17.0	17.5	650	0.25	1.0	16.7	68	DO-41
1N5934B	24	15.6	19	700	0.25	1.0	18.2	62	DO-41
1N5935B	27	13.9	23	700	0.25	1.0	20.6	55	DO-41
1N5936B	30	12.5	26	750	0.25	1.0	22.8	50	DO-41
1N5937B	33	11.4	33	800	0.25	1.0	25.1	45	DO-41
1N5938B	36	10.4	38	850	0.25	1.0	27.4	41	DO-41
1N5939B	39	9.6	45	900	0.25	1.0	29.7	38	DO-41
1N5940B	43	8.7	53	950	0.25	1.0	32.7	34	DO-41
1N5941B	47	8.0	67	1000	0.25	1.0	35.8	31	DO-41
1N5942B	51	7.3	70	1100	0.25	1.0	38.8	29	DO-41
1N5943B	56	6.7	86	1300	0.25	1.0	42.6	26	DO-41
1N5944B	62	6.0	100	1500	0.25	1.0	47.1	24	DO-41
1N5945B	68	5.5	120	1700	0.25	1.0	51.7	22	DO-41
1N5946B	75	5.0	140	2000	0.25	1.0	56.0	20	DO-41



DO-41

SMA/DO-214AC

## Zener Diodes (continued)

Part Number	Nominal Zener Voltage	Test Current	Max. Zener Impedance			Leakage Current		Max. Zener Current	Package
	Vz @ IzT	IzT	ZzT @ IzT	Zzk @ Izk	Izk	IR @ VR	IzM		
	V	mA	Ω	Ω	mA	μA	V	mA	
<b>1.5 watt Zener Diodes --continued</b>									
1N5947B	82	4.6	160	2500	0.25	1.0	62.2	18	DO-41
1N5948B	91	4.1	200	3000	0.25	1.0	69.2	16	DO-41
1N5949B	100	3.7	250	3100	0.25	1.0	76.0	15	DO-41
1N5950B	110	3.4	300	4000	0.25	1.0	83.6	13	DO-41
1N5951B	120	3.1	380	4500	0.25	1.0	91.2	12	DO-41
1N5952B	130	2.9	450	5000	0.25	1.0	98.8	11	DO-41
1N5953B	150	2.5	600	6000	0.25	1.0	114.0	10	DO-41
1N5954B	160	2.3	700	6500	0.25	1.0	121.6	9	DO-41
1N5955B	180	2.1	900	7000	0.25	1.0	136.8	8	DO-41
1N5956B	200	1.9	1200	8000	0.25	1.0	152.0	7	DO-41
1SMB5926	11	34.1	5.5	550	0.25	1.0	8.4	136	SMB/DO-214AA
1SMB5927	12	31.2	6.5	550	0.25	1.0	9.1	125	SMB/DO-214AA
1SMB5928	13	28.8	7.0	550	0.25	1.0	9.9	115	SMB/DO-214AA
1SMB5929	15	25.0	9.0	600	0.25	1.0	11.4	100	SMB/DO-214AA
1SMB5930	16	23.4	10	600	0.25	1.0	12.2	93	SMB/DO-214AA
1SMB5931	18	20.8	12	650	0.25	1.0	13.7	83	SMB/DO-214AA
1SMB5932	20	18.7	14	650	0.25	1.0	15.2	75	SMB/DO-214AA
1SMB5933	22	17.0	17.5	650	0.25	1.0	16.7	68	SMB/DO-214AA
1SMB5934	24	15.6	19	700	0.25	1.0	18.2	62	SMB/DO-214AA
1SMB5935	27	13.9	23	700	0.25	1.0	20.6	55	SMB/DO-214AA
1SMB5936	30	12.5	26	750	0.25	1.0	22.8	50	SMB/DO-214AA
1SMB5937	33	11.4	33	800	0.25	1.0	25.1	45	SMB/DO-214AA
1SMB5938	36	10.4	38	850	0.25	1.0	27.4	41	SMB/DO-214AA
1SMB5939	39	9.6	45	900	0.25	1.0	29.7	38	SMB/DO-214AA
1SMB5940	43	8.7	53	950	0.25	1.0	32.7	34	SMB/DO-214AA
1SMB5941	47	8.0	67	1000	0.25	1.0	35.8	31	SMB/DO-214AA
1SMB5942	51	7.3	70	1100	0.25	1.0	38.8	29	SMB/DO-214AA
1SMB5943	56	6.7	86	1300	0.25	1.0	42.6	26	SMB/DO-214AA
1SMB5944	62	6.0	100	1500	0.25	1.0	47.1	24	SMB/DO-214AA
1SMB5945	68	5.5	120	1700	0.25	1.0	51.7	22	SMB/DO-214AA
1SMB5946	75	5.0	140	2000	0.25	1.0	56.0	20	SMB/DO-214AA
1SMB5947	82	4.6	160	2500	0.25	1.0	62.2	18	SMB/DO-214AA
1SMB5948	91	4.1	200	3000	0.25	1.0	69.2	16	SMB/DO-214AA
1SMB5949	100	3.7	250	3100	0.25	1.0	76.0	15	SMB/DO-214AA
1SMB5950	110	3.4	300	4000	0.25	1.0	83.6	13	SMB/DO-214AA
1SMB5951	120	3.1	380	4500	0.25	1.0	91.2	12	SMB/DO-214AA
1SMB5952	130	2.9	450	5000	0.25	1.0	98.8	11	SMB/DO-214AA
1SMB5953	150	2.5	600	6000	0.25	1.0	114.0	10	SMB/DO-214AA
1SMB5954	160	2.3	700	6500	0.25	1.0	121.6	9	SMB/DO-214AA
1SMB5955	180	2.1	900	7000	0.25	1.0	136.8	8	SMB/DO-214AA
1SMB5956	200	1.9	1200	8000	0.25	1.0	152.0	7	SMB/DO-214AA



DO-41

SMB/DO-214AA

## Zener Diodes (continued)

Part Number	Nominal Zener Voltage	Test Current	Max. Zener Impedance			Leakage Current		Max. Zener Current	Surge Current @ Ta=25°C	Package
	Vz @ IzT	IzT	ZzT @ IzT	Zzk @ Izk	Izk	Ir @ VR		IzM	IR	
	V	mA	Ω	Ω	mA	μA	V	mA	mA	
<b>2.0 watt Zener Diodes</b>										
2EZ11	11	45.5	4.0	700	0.25	1.0	8.4	166	1.82	DO-15
2EZ12	12	41.5	4.5	700	0.25	1.0	9.1	152	1.66	DO-15
2EZ13	13	38.5	5.0	700	0.25	0.5	9.9	138	1.54	DO-15
2EZ14	14	35.7	5.5	700	0.25	0.5	10.6	130	1.43	DO-15
2EZ15	15	33.4	7.0	700	0.25	0.5	11.4	122	1.33	DO-15
2EZ16	16	31.2	8.0	700	0.25	0.5	12.2	114	1.25	DO-15
2EZ17	17	29.4	9.0	750	0.25	0.5	13.0	107	1.18	DO-15
2EZ18	18	27.8	10	750	0.25	0.5	13.7	100	1.11	DO-15
2EZ19	19	26.3	11	750	0.25	0.5	14.4	95	1.05	DO-15
2EZ20	20	25.0	11	750	0.25	0.5	15.2	90	1.00	DO-15
2EZ22	22	22.8	12	750	0.25	0.5	16.7	82	0.91	DO-15
2EZ24	24	20.8	13	750	0.25	0.5	18.2	76	0.83	DO-15
2EZ27	27	18.5	18	750	0.25	0.5	20.6	68	0.74	DO-15
2EZ28	28	17.0	19	750	0.25	0.5	21.0	65	0.71	DO-15
2EZ30	30	16.6	20	1000	0.25	0.5	22.5	60	0.67	DO-15
2EZ33	33	15.1	23	1000	0.25	0.5	25.1	55	0.61	DO-15
2EZ36	36	13.9	25	1000	0.25	0.5	27.4	50	0.56	DO-15
2EZ39	39	12.8	30	1000	0.25	0.5	29.7	47	0.51	DO-15
2EZ43	43	11.6	35	1500	0.25	0.5	32.7	43	0.45	DO-15
2EZ47	47	10.6	40	1500	0.25	0.5	35.8	39	0.42	DO-15
2EZ51	51	9.8	48	1500	0.25	0.5	38.8	36	0.39	DO-15
2EZ56	56	9.0	55	2000	0.25	0.5	42.6	32	0.36	DO-15
2EZ62	62	8.1	60	2000	0.25	0.5	47.1	29	0.32	DO-15
2EZ68	68	7.4	75	2000	0.25	0.5	51.7	27	0.29	DO-15
2EZ75	75	6.7	90	2000	0.25	0.5	56.0	24	0.27	DO-15
2EZ82	82	6.1	100	3000	0.25	0.5	62.2	22	0.24	DO-15
2EZ91	91	5.5	125	3000	0.25	0.5	69.2	20	0.22	DO-15
2EZ100	100	5.0	175	3000	0.25	0.5	76.0	18	0.20	DO-15
2EZ110	110	4.5	250	4000	0.25	0.5	83.6	17	0.18	DO-15
2EZ120	120	4.2	325	4500	0.25	0.5	91.2	15	0.16	DO-15
2EZ130	130	3.8	400	5000	0.25	0.5	98.8	14	0.15	DO-15
2EZ140	140	3.6	500	5500	0.25	0.5	106.4	13	0.14	DO-15
2EZ150	150	3.3	575	6000	0.25	0.5	114.0	12	0.13	DO-15
2EZ160	160	3.1	650	6500	0.25	0.5	121.6	11	0.12	DO-15
2EZ170	170	2.9	675	7000	0.25	0.5	130.4	11	0.12	DO-15
2EZ180	180	2.8	725	7000	0.25	0.5	136.8	10	0.11	DO-15
2EZ190	190	2.6	825	8000	0.25	0.5	144.8	10	0.10	DO-15
2EZ200	200	2.5	900	8000	0.25	0.5	152.0	9	0.10	DO-15



DO-15

## Zener Diodes (continued)

Part Number	Nominal Zener Voltage	Test Current	Max. Zener Impedance			Leakage Current		Max. Zener Current	Surge Current @ Ta=25°C	Package
	Vz @ IzT	IzT	ZzT @ IzT	Zzk @ Izk	Izk	IR @ VR		IzM	IR	
	V	mA	Ω	Ω	mA	μA	V	mA	mA	
<b>2.0 watt Zener Diodes --continued</b>										
1SMB2EZ11	11	45.5	4.0	700	0.25	1.0	8.4	166	1.82	SMB/DO-214AA
1SMB2EZ12	12	41.5	4.5	700	0.25	1.0	9.1	152	1.66	SMB/DO-214AA
1SMB2EZ13	13	38.5	5.0	700	0.25	0.5	9.9	138	1.54	SMB/DO-214AA
1SMB2EZ14	14	35.7	5.5	700	0.25	0.5	10.6	130	1.43	SMB/DO-214AA
1SMB2EZ15	15	33.4	7.0	700	0.25	0.5	11.4	122	1.33	SMB/DO-214AA
1SMB2EZ16	16	31.2	8.0	700	0.25	0.5	12.2	114	1.25	SMB/DO-214AA
1SMB2EZ17	17	29.4	9.0	750	0.25	0.5	13.0	107	1.18	SMB/DO-214AA
1SMB2EZ18	18	27.8	10	750	0.25	0.5	13.7	100	1.11	SMB/DO-214AA
1SMB2EZ19	19	26.3	11	750	0.25	0.5	14.4	95	1.05	SMB/DO-214AA
1SMB2EZ20	20	25.0	11	750	0.25	0.5	15.2	90	1.00	SMB/DO-214AA
1SMB2EZ22	22	22.8	12	750	0.25	0.5	16.7	82	0.91	SMB/DO-214AA
1SMB2EZ24	24	20.8	13	750	0.25	0.5	18.2	76	0.83	SMB/DO-214AA
1SMB2EZ27	27	18.5	18	750	0.25	0.5	20.6	68	0.74	SMB/DO-214AA
1SMB2EZ28	28	17.0	19	750	0.255	0.5	21.0	65	0.71	SMB/DO-214AA
1SMB2EZ30	30	16.6	20	1000	0.25	0.5	22.5	60	0.67	SMB/DO-214AA
1SMB2EZ33	33	15.1	23	1000	0.25	0.5	25.1	55	0.61	SMB/DO-214AA
1SMB2EZ36	36	13.9	25	1000	0.25	0.5	27.4	50	0.56	SMB/DO-214AA
1SMB2EZ39	39	12.8	30	1000	0.25	0.5	29.7	47	0.51	SMB/DO-214AA
1SMB2EZ43	43	11.6	35	1500	0.25	0.5	32.7	43	0.45	SMB/DO-214AA
1SMB2EZ47	47	10.6	40	1500	0.25	0.5	35.8	39	0.42	SMB/DO-214AA
1SMB2EZ51	51	9.8	48	1500	0.25	0.5	38.8	36	0.39	SMB/DO-214AA
1SMB2EZ56	56	9.0	55	2000	0.25	0.5	42.6	32	0.36	SMB/DO-214AA
1SMB2EZ62	62	8.1	60	2000	0.25	0.5	47.1	29	0.32	SMB/DO-214AA
1SMB2EZ68	68	7.4	75	2000	0.25	0.5	51.7	27	0.29	SMB/DO-214AA
1SMB2EZ75	75	6.7	90	2000	0.25	0.5	56.0	24	0.27	SMB/DO-214AA
1SMB2EZ82	82	6.1	100	3000	0.25	0.5	62.2	22	0.24	SMB/DO-214AA
1SMB2EZ91	91	5.5	125	3000	0.25	0.5	69.2	20	0.22	SMB/DO-214AA
1SMB2EZ100	100	5.0	175	3000	0.25	0.5	76.0	18	0.20	SMB/DO-214AA
1SMB2EZ110	110	4.5	250	4000	0.25	0.5	83.6	17	0.18	SMB/DO-214AA
1SMB2EZ120	120	4.2	325	4500	0.25	0.5	91.2	15	0.16	SMB/DO-214AA
1SMB2EZ130	130	3.8	400	5000	0.25	0.5	98.8	14	0.15	SMB/DO-214AA
1SMB2EZ140	140	3.6	500	5500	0.25	0.5	106.4	13	0.14	SMB/DO-214AA
1SMB2EZ150	150	3.3	575	6000	0.25	0.5	114.0	12	0.13	SMB/DO-214AA
1SMB2EZ160	160	3.1	650	6500	0.25	0.5	121.6	11	0.12	SMB/DO-214AA
1SMB2EZ170	170	2.9	675	7000	0.25	0.5	130.4	11	0.12	SMB/DO-214AA
1SMB2EZ180	180	2.8	725	7000	0.25	0.5	136.8	10	0.11	SMB/DO-214AA
1SMB2EZ190	190	2.6	825	8000	0.25	0.5	144.8	10	0.10	SMB/DO-214AA
1SMB2EZ200	200	2.5	900	8000	0.25	0.5	152.0	9	0.10	SMB/DO-214AA



SMB/DO-214AA

## Zener Diodes (continued)

Part Number	Nominal Zener Voltage	Test Current	Max. Zener Impedance			Leakage Current		Max. Zener Current	Surge Current @ Ta=25°C	Package
	Vz @ IzT	IzT	ZzT @ IzT	Zzk @ Izk	Izk	Ir @ VR		IzM	IR	
	V	mA	Ω	Ω	mA	μA	V	mA	mA	
<b>3.0 watt Zener Diodes</b>										
3EZ11	11	68	4.0	700	0.25	1.0	8.4	225	1.82	DO-15
3EZ12	12	63	4.5	700	0.25	1.0	9.1	246	1.66	DO-15
3EZ13	13	58	4.5	700	0.25	0.5	9.9	208	1.54	DO-15
3EZ14	14	53	5.0	700	0.25	0.5	10.6	193	1.43	DO-15
3EZ15	15	50	5.5	700	0.25	0.5	11.4	180	1.33	DO-15
3EZ16	16	47	5.5	700	0.25	0.5	12.2	169	1.25	DO-15
3EZ17	17	44	6.0	750	0.25	0.5	13.0	150	1.18	DO-15
3EZ18	18	42	6.0	750	0.25	0.5	13.7	159	1.11	DO-15
3EZ19	19	40	7.0	750	0.25	0.5	14.4	142	1.05	DO-15
3EZ20	20	37	7.0	750	0.25	0.5	15.2	135	1.00	DO-15
3EZ22	22	34	8.0	750	0.25	0.5	16.7	123	0.91	DO-15
3EZ24	24	31	9.0	750	0.25	0.5	18.2	112	0.83	DO-15
3EZ27	27	28	10	750	0.25	0.5	20.6	100	0.74	DO-15
3EZ28	28	27	12	750	0.25	0.5	21.0	96	0.71	DO-15
3EZ30	30	25	16	1000	0.25	0.5	22.5	90	0.67	DO-15
3EZ33	33	23	20	1000	0.25	0.5	25.1	82	0.61	DO-15
3EZ36	36	21	22	1000	0.25	0.5	27.4	75	0.56	DO-15
3EZ39	39	19	28	1000	0.25	0.5	29.7	69	0.51	DO-15
3EZ43	43	17	33	1500	0.25	0.5	32.7	63	0.45	DO-15
3EZ47	47	16	38	1500	0.25	0.5	35.6	57	0.42	DO-15
3EZ51	51	15	45	1500	0.25	0.5	38.8	53	0.39	DO-15
3EZ56	56	13	50	2000	0.25	0.5	42.6	48	0.36	DO-15
3EZ62	62	12	55	2000	0.25	0.5	47.1	44	0.32	DO-15
3EZ68	68	11	70	2000	0.25	0.5	51.7	40	0.29	DO-15
3EZ75	75	10	85	2000	0.25	0.5	56.0	36	0.27	DO-15
3EZ82	82	9.1	95	3000	0.25	0.5	62.2	33	0.24	DO-15
3EZ91	91	8.2	115	3000	0.25	0.5	69.2	30	0.22	DO-15
3EZ100	100	7.5	160	3000	0.25	0.5	76.0	27	0.20	DO-15
3EZ110	110	6.8	225	4000	0.25	0.5	83.6	25	0.18	DO-15
3EZ120	120	6.3	300	4500	0.25	0.5	91.2	22	0.16	DO-15
3EZ130	130	5.8	375	5000	0.25	0.5	98.8	21	0.15	DO-15
3EZ140	140	5.3	475	5500	0.25	0.5	106.4	19	0.14	DO-15
3EZ150	150	5.0	550	6000	0.25	0.5	114	18	0.13	DO-15
3EZ160	160	4.7	625	6500	0.25	0.5	121.6	17	0.12	DO-15
3EZ170	170	4.4	650	7000	0.25	0.5	130.4	16	0.12	DO-15
3EZ180	180	4.2	700	7000	0.25	0.5	136.8	15	0.11	DO-15
3EZ190	190	4.0	800	8000	0.25	0.5	144.8	14	0.10	DO-15
3EZ200	200	3.7	875	8000	0.25	0.5	152.0	13	0.10	DO-15



DO-15

## Zener Diodes (continued)

Part Number	Nominal Zener Voltage	Test Current	Max. Zener Impedance			Leakage Current		Max. Zener Current	Surge Current @ Ta=25°C	Package
	Vz @ IzT	IzT	ZzT @ IzT	Zzk @ Izk	Izk	IR @ VR		IzM	IR	
	V	mA	Ω	Ω	mA	μA	V	mA	mA	
<b>3.0 watt Zener Diodes --continued</b>										
1SMB3EZ11	11	68	4.0	700	0.25	1.0	8.4	225	1.82	SMB/DO-214AA
1SMB3EZ12	12	63	4.5	700	0.25	1.0	9.1	246	1.66	SMB/DO-214AA
1SMB3EZ13	13	58	4.5	700	0.25	0.5	9.9	208	1.54	SMB/DO-214AA
1SMB3EZ14	14	53	5.0	700	0.25	0.5	10.6	193	1.43	SMB/DO-214AA
1SMB3EZ15	15	50	5.5	700	0.25	0.5	11.4	180	1.33	SMB/DO-214AA
1SMB3EZ16	16	47	5.5	700	0.25	0.5	12.2	169	1.25	SMB/DO-214AA
1SMB3EZ17	17	44	6.0	750	0.25	0.5	13.0	150	1.18	SMB/DO-214AA
1SMB3EZ18	18	42	6.0	750	0.25	0.5	13.7	159	1.11	SMB/DO-214AA
1SMB3EZ19	19	40	7.0	750	0.25	0.5	14.4	142	1.05	SMB/DO-214AA
1SMB3EZ20	20	37	7.0	750	0.25	0.5	15.2	135	1.00	SMB/DO-214AA
1SMB3EZ22	22	34	8.0	750	0.25	0.5	16.7	123	0.91	SMB/DO-214AA
1SMB3EZ24	24	31	9.0	750	0.25	0.5	18.2	112	0.83	SMB/DO-214AA
1SMB3EZ27	27	28	10	750	0.25	0.5	20.6	100	0.74	SMB/DO-214AA
1SMB3EZ28	28	27	12	750	0.25	0.5	21.0	96	0.71	SMB/DO-214AA
1SMB3EZ30	30	25	16	1000	0.25	0.5	22.5	90	0.67	SMB/DO-214AA
1SMB3EZ33	33	23	20	1000	0.25	0.5	25.1	82	0.61	SMB/DO-214AA
1SMB3EZ36	36	21	22	1000	0.25	0.5	27.4	75	0.56	SMB/DO-214AA
1SMB3EZ39	39	19	28	1000	0.25	0.5	29.7	69	0.51	SMB/DO-214AA
1SMB3EZ43	43	17	33	1500	0.25	0.5	32.7	63	0.45	SMB/DO-214AA
1SMB3EZ47	47	16	38	1500	0.25	0.5	35.6	57	0.42	SMB/DO-214AA
1SMB3EZ51	51	15	45	1500	0.25	0.5	38.8	53	0.39	SMB/DO-214AA
1SMB3EZ56	56	13	50	2000	0.25	0.5	42.6	48	0.36	SMB/DO-214AA
1SMB3EZ62	62	12	55	2000	0.25	0.5	47.1	44	0.32	SMB/DO-214AA
1SMB3EZ68	68	11	70	2000	0.25	0.5	51.7	40	0.29	SMB/DO-214AA
1SMB3EZ75	75	10	85	2000	0.25	0.5	56.0	36	0.27	SMB/DO-214AA
1SMB3EZ82	82	9.1	95	3000	0.25	0.5	62.2	33	0.24	SMB/DO-214AA
1SMB3EZ91	91	8.2	115	3000	0.25	0.5	69.2	30	0.22	SMB/DO-214AA
1SMB3EZ100	100	7.5	160	3000	0.25	0.5	76.0	27	0.20	SMB/DO-214AA
1SMB3EZ110	110	6.8	225	4000	0.25	0.5	83.6	25	0.18	SMB/DO-214AA
1SMB3EZ120	120	6.3	300	4500	0.25	0.5	91.2	22	0.16	SMB/DO-214AA
1SMB3EZ130	130	5.8	375	5000	0.25	0.5	98.8	21	0.15	SMB/DO-214AA
1SMB3EZ140	140	5.3	475	5500	0.25	0.5	106.4	19	0.14	SMB/DO-214AA
1SMB3EZ150	150	5.0	550	6000	0.25	0.5	114	18	0.13	SMB/DO-214AA
1SMB3EZ160	160	4.7	625	6500	0.25	0.5	121.6	17	0.12	SMB/DO-214AA
1SMB3EZ170	170	4.4	650	7000	0.25	0.5	130.4	16	0.12	SMB/DO-214AA
1SMB3EZ180	180	4.2	700	7000	0.25	0.5	136.8	15	0.11	SMB/DO-214AA
1SMB3EZ190	190	4.0	800	8000	0.25	0.5	144.8	14	0.10	SMB/DO-214AA
1SMB3EZ200	200	3.7	875	8000	0.25	0.5	152.0	13	0.10	SMB/DO-214AA



SMB/DO-214AA

## Zener Diodes (continued)

Part Number	Nominal Zener Voltage	Test Current	Max. Zener Impedance			Leakage Current		Max. Zener Current	Surge Current @ Ta=25°C	Package
	V <sub>Z</sub> @ I <sub>ZT</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub> @ I <sub>ZT</sub>	Z <sub>ZK</sub> @ I <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R</sub> @ V <sub>R</sub>	I <sub>ZM</sub>	I <sub>R</sub>		
	V	mA	Ω	Ω	mA	μA	V	mA	mA	
<b>5.0 watt Zener Diodes</b>										
1N5348B	11	125	2.5	125	1.0	5.0	8.4	430	8.0	DO-201AE
1N5349B	12	100	2.5	125	1.0	2.0	9.1	395	7.5	DO-201AE
1N5350B	13	100	2.5	100	1.0	1.0	9.9	365	7.0	DO-201AE
1N5351B	14	100	2.5	75	1.0	1.0	10.6	340	6.7	DO-201AE
1N5352B	15	75	2.5	75	1.0	1.0	11.5	315	6.3	DO-201AE
1N5353B	16	75	2.5	75	1.0	1.0	12.2	295	6.0	DO-201AE
1N5354B	17	70	2.5	75	1.0	0.5	12.9	280	5.8	DO-201AE
1N5355B	18	65	2.5	75	1.0	0.5	13.7	265	5.5	DO-201AE
1N5356B	19	65	3.0	75	1.0	0.5	14.4	250	5.3	DO-201AE
1N5357B	20	65	3.0	75	1.0	0.5	15.2	237	5.1	DO-201AE
1N5358B	22	50	3.5	75	1.0	0.5	16.7	216	4.7	DO-201AE
1N5359B	24	50	3.5	100	1.0	0.5	18.2	198	4.4	DO-201AE
1N5360B	25	50	4.0	110	1.0	0.5	19.0	190	4.3	DO-201AE
1N5361B	27	50	5.0	120	1.0	0.5	20.6	176	4.1	DO-201AE
1N5362B	28	50	6.0	130	1.0	0.5	21.2	170	3.9	DO-201AE
1N5363B	30	40	8.0	140	1.0	0.5	22.8	158	3.7	DO-201AE
1N5364B	33	40	10	150	1.0	0.5	25.1	144	3.5	DO-201AE
1N5365B	36	30	11	160	1.0	0.5	27.4	132	3.3	DO-201AE
1N5366B	39	30	14	170	1.0	0.5	29.7	122	3.1	DO-201AE
1N5367B	43	30	20	190	1.0	0.5	32.7	110	2.8	DO-201AE
1N5368B	47	25	25	210	1.0	0.5	35.8	100	2.7	DO-201AE
1N5369B	51	25	27	230	1.0	0.5	38.8	93	2.5	DO-201AE
1N5370B	56	20	35	280	1.0	0.5	42.6	86	2.3	DO-201AE
1N5371B	60	20	40	350	1.0	0.5	45.5	79	2.2	DO-201AE
1N5372B	62	20	42	400	1.0	0.5	47.1	76	2.1	DO-201AE
1N5373B	68	20	44	500	1.0	0.5	51.7	70	2.0	DO-201AE
1N5374B	75	20	45	620	1.0	0.5	56.0	63	1.9	DO-201AE
1N5375B	82	15	65	720	1.0	0.5	62.2	58	1.8	DO-201AE
1N5376B	87	15	75	760	1.0	0.5	66.0	54.5	1.7	DO-201AE
1N5377B	91	15	75	760	1.0	0.5	69.2	52.5	1.6	DO-201AE
1N5378B	100	12	90	800	1.0	0.5	76.0	47.5	1.5	DO-201AE
1N5379B	110	12	125	1000	1.0	0.5	83.6	43.0	1.4	DO-201AE
1N5380B	120	10	170	1150	1.0	0.5	91.2	39.5	1.3	DO-201AE
1N5381B	130	10	190	1250	1.0	0.5	98.8	36.6	1.2	DO-201AE
1N5382B	140	8.0	230	1500	1.0	0.5	106.0	34.0	1.2	DO-201AE
1N5383B	150	8.0	330	1500	1.0	0.5	114	31.6	1.1	DO-201AE
1N5384B	160	8.0	350	1650	1.0	0.5	122	29.4	1.1	DO-201AE
1N5385B	170	8.0	380	1750	1.0	0.5	129	28.0	1.0	DO-201AE
1N5386B	180	5.0	430	1750	1.0	0.5	137	26.4	1.0	DO-201AE
1N5387B	190	5.0	450	1850	1.0	0.5	144	25.0	0.9	DO-201AE
1N5388B	200	5.0	480	1850	1.0	0.5	152	23.6	0.9	DO-201AE



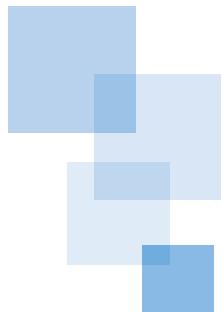
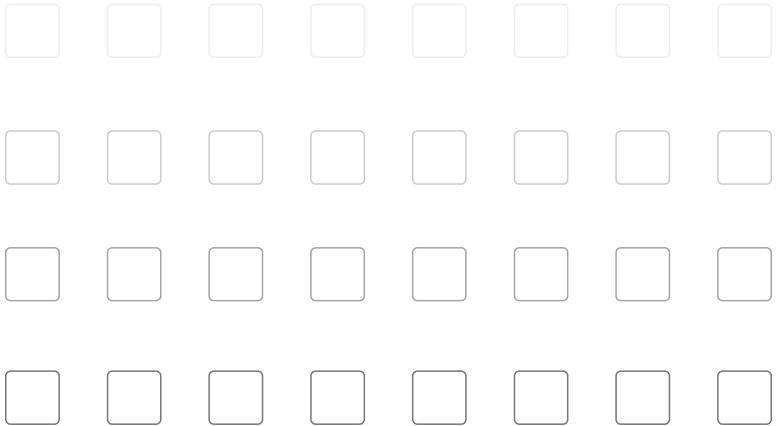
DO-201AE

## Zener Diodes (continued)

Part Number	Nominal Zener Voltage	Test Current	Max. Zener Impedance			Leakage Current		Max. Zener Current	Surge Current @ Ta=25°C	Package
	Vz @ IzT	IzT	ZzT @ IzT	ZzK @ IzK	IzK	IR @ VR	IzM	IR		
	V	mA	Ω	Ω	mA	μA	V	mA	mA	
<b>5.0 watt Zener Diodes --continued</b>										
1SMC5348	11	125	2.5	125	1.0	5.0	8.4	430	8.0	SMC/DO-214AB
1SMC5349	12	100	2.5	125	1.0	2.0	9.1	395	7.5	SMC/DO-214AB
1SMC5350	13	100	2.5	100	1.0	1.0	9.9	365	7.0	SMC/DO-214AB
1SMC5351	14	100	2.5	75	1.0	1.0	10.6	340	6.7	SMC/DO-214AB
1SMC5352	15	75	2.5	75	1.0	1.0	11.5	315	6.3	SMC/DO-214AB
1SMC5353	16	75	2.5	75	1.0	1.0	12.2	295	6.0	SMC/DO-214AB
1SMC5354	17	70	2.5	75	1.0	0.5	12.9	280	5.8	SMC/DO-214AB
1SMC5355	18	65	2.5	75	1.0	0.5	13.7	265	5.5	SMC/DO-214AB
1SMC5356	19	65	3.0	75	1.0	0.5	14.4	250	5.3	SMC/DO-214AB
1SMC5357	20	65	3.0	75	1.0	0.5	15.2	237	5.1	SMC/DO-214AB
1SMC5358	22	50	3.5	75	1.0	0.5	16.7	216	4.7	SMC/DO-214AB
1SMC5359	24	50	3.5	100	1.0	0.5	18.2	198	4.4	SMC/DO-214AB
1SMC5360	25	50	4.0	110	1.0	0.5	19.0	190	4.3	SMC/DO-214AB
1SMC5361	27	50	5.0	120	1.0	0.5	20.6	176	4.1	SMC/DO-214AB
1SMC5362	28	50	6.0	130	1.0	0.5	21.2	170	3.9	SMC/DO-214AB
1SMC5363	30	40	8.0	140	1.0	0.5	22.8	158	3.7	SMC/DO-214AB
1SMC5364	33	40	10	150	1.0	0.5	25.1	144	3.5	SMC/DO-214AB
1SMC5365	36	30	11	160	1.0	0.5	27.4	132	3.3	SMC/DO-214AB
1SMC5366	39	30	14	170	1.0	0.5	29.7	122	3.1	SMC/DO-214AB
1SMC5367	43	30	20	190	1.0	0.5	32.7	110	2.8	SMC/DO-214AB
1SMC5368	47	25	25	210	1.0	0.5	35.8	100	2.7	SMC/DO-214AB
1SMC5369	51	25	27	230	1.0	0.5	38.8	93	2.5	SMC/DO-214AB
1SMC5370	56	20	35	280	1.0	0.5	42.6	86	2.3	SMC/DO-214AB
1SMC5371	60	20	40	350	1.0	0.5	45.5	79	2.2	SMC/DO-214AB
1SMC5372	62	20	42	400	1.0	0.5	47.1	76	2.1	SMC/DO-214AB
1SMC5373	68	20	44	500	1.0	0.5	51.7	70	2.0	SMC/DO-214AB
1SMC5374	75	20	45	620	1.0	0.5	56.0	63	1.9	SMC/DO-214AB
1SMC5375	82	15	65	720	1.0	0.5	62.2	58	1.8	SMC/DO-214AB
1SMC5376	87	15	75	760	1.0	0.5	66.0	54.5	1.7	SMC/DO-214AB
1SMC5377	91	15	75	760	1.0	0.5	69.2	52.5	1.6	SMC/DO-214AB
1SMC5378	100	12	90	800	1.0	0.5	76.0	47.5	1.5	SMC/DO-214AB
1SMC5379	110	12	125	1000	1.0	0.5	83.6	43.0	1.4	SMC/DO-214AB
1SMC5380	120	10	170	1150	1.0	0.5	91.2	39.5	1.3	SMC/DO-214AB
1SMC5381	130	10	190	1250	1.0	0.5	98.8	36.6	1.2	SMC/DO-214AB
1SMC5382	140	8.0	230	1500	1.0	0.5	106.0	34.0	1.2	SMC/DO-214AB
1SMC5383	150	8.0	330	1500	1.0	0.5	114	31.6	1.1	SMC/DO-214AB
1SMC5384	160	8.0	350	1650	1.0	0.5	122	29.4	1.1	SMC/DO-214AB
1SMC5385	170	8.0	380	1750	1.0	0.5	129	28.0	1.0	SMC/DO-214AB
1SMC5386	180	5.0	430	1750	1.0	0.5	137	26.4	1.0	SMC/DO-214AB
1SMC5387	190	5.0	450	1850	1.0	0.5	144	25.0	0.9	SMC/DO-214AB
1SMC5388	200	5.0	480	1850	1.0	0.5	152	23.6	0.9	SMC/DO-214AB



SMC/DO-214AB



# Bridge Rectifiers

## Product Series

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## Bridge Rectifiers

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package
	V <sub>RRM</sub>	I <sub>O</sub> @ T	°C	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>	µA	V	
	V	A	°C	A	V	A	µA	V	
<b>0.5 AMP Bridge Rectifiers</b>									
B1S	100	0.5 / 0.8*	40	30	1.0	0.5	5.0	100	MDI
B2S	200	0.5 / 0.8*	40	30	1.0	0.5	5.0	200	MDI
B4S	400	0.5 / 0.8*	40	30	1.0	0.5	5.0	400	MDI
B6S	600	0.5 / 0.8*	40	30	1.0	0.5	5.0	600	MDI
B8S	800	0.5 / 0.8*	40	30	1.0	0.5	5.0	800	MDI
B10S	1000	0.5 / 0.8*	40	30	1.0	0.5	5.0	1000	MDI
<b>1.0 AMP Bridge Rectifiers</b>									
DI100	50	1.0	40	30	1.1	1.0	5.0	50	DIP
DI101	100	1.0	40	30	1.1	1.0	5.0	100	DIP
DI102	200	1.0	40	30	1.1	1.0	5.0	200	DIP
DI104	400	1.0	40	30	1.1	1.0	5.0	400	DIP
DI106	600	1.0	40	30	1.1	1.0	5.0	600	DIP
DI108	800	1.0	40	30	1.1	1.0	5.0	800	DIP
DI1010	1000	1.0	40	30	1.1	1.0	5.0	1000	DIP
DI100S	50	1.0	40	30	1.1	1.0	5.0	50	SDIP
DI101S	100	1.0	40	30	1.1	1.0	5.0	100	SDIP
DI102S	200	1.0	40	30	1.1	1.0	5.0	200	SDIP
DI104S	400	1.0	40	30	1.1	1.0	5.0	400	SDIP
DI106S	600	1.0	40	30	1.1	1.0	5.0	600	SDIP
DI108S	800	1.0	40	30	1.1	1.0	5.0	800	SDIP
DI1010S	1000	1.0	40	30	1.1	1.0	5.0	1000	SDIP
AM100	50	1.0	50	30	1.0	1.0	10	50	AM
AM101	100	1.0	50	30	1.0	1.0	10	100	AM
AM102	200	1.0	50	30	1.0	1.0	10	200	AM
AM104	400	1.0	50	30	1.0	1.0	10	400	AM
AM106	600	1.0	50	30	1.0	1.0	10	600	AM
AM108	800	1.0	50	30	1.0	1.0	10	800	AM
AM1010	1000	1.0	50	30	1.0	1.0	10	1000	AM
<b>1.5 AMP Bridge Rectifiers</b>									
DI150	50	1.5	40	50	1.1	1.0	5.0	50	DIP
DI151	100	1.5	40	50	1.1	1.0	5.0	100	DIP
DI152	200	1.5	40	50	1.1	1.0	5.0	200	DIP
DI154	400	1.5	40	50	1.1	1.0	5.0	400	DIP
DI156	600	1.5	40	50	1.1	1.0	5.0	600	DIP
DI158	800	1.5	40	50	1.1	1.0	5.0	800	DIP
DI1510	1000	1.5	40	50	1.1	1.0	5.0	1000	DIP

\* R-load on alumina substrate Ta=25°C



AM

MDI

DIP

SDIP

## Bridge Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package
	V <sub>RRM</sub>	I <sub>O</sub> @ T	°C	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	A	I <sub>R</sub> @ V <sub>R</sub>		
	V	A	°C	A	V	A	μA	V	
<b>1.5 AMP Bridge Rectifiers --continued</b>									
DI150S	50	1.5	40	50	1.1	1.0	5.0	50	SDIP
DI151S	100	1.5	40	50	1.1	1.0	5.0	100	SDIP
DI152S	200	1.5	40	50	1.1	1.0	5.0	200	SDIP
DI154S	400	1.5	40	50	1.1	1.0	5.0	400	SDIP
DI156S	600	1.5	40	50	1.1	1.0	5.0	600	SDIP
DI158S	800	1.5	40	50	1.1	1.0	5.0	800	SDIP
DI1510S	1000	1.5	40	50	1.1	1.0	5.0	1000	SDIP
AM150	50	1.5	50	50	1.0	1.0	10	50	AM
AM151	100	1.5	50	50	1.0	1.0	10	100	AM
AM152	200	1.5	50	50	1.0	1.0	10	200	AM
AM154	400	1.5	50	50	1.0	1.0	10	400	AM
AM156	600	1.5	50	50	1.0	1.0	10	600	AM
AM158	800	1.5	50	50	1.0	1.0	10	800	AM
AM1510	1000	1.5	50	50	1.0	1.0	10	1000	AM
W005G	50	1.5	50	50	1.0	1.0	5.0	50	AM
W01G	100	1.5	50	50	1.0	1.0	5.0	100	AM
W02G	200	1.5	50	50	1.0	1.0	5.0	200	AM
W04G	400	1.5	50	50	1.0	1.0	5.0	400	AM
W06G	600	1.5	50	50	1.0	1.0	5.0	600	AM
W08G	800	1.5	50	50	1.0	1.0	5.0	800	AM
W10G	1000	1.5	50	50	1.0	1.0	5.0	1000	AM
<b>2.0 AMP Bridge Rectifiers</b>									
GBP200 	50	2.0	25	60	1.0	1.0	5.0	50	GBP
GBP201 	100	2.0	25	60	1.0	1.0	5.0	100	GBP
GBP202 	200	2.0	25	60	1.0	1.0	5.0	200	GBP
GBP204 	400	2.0	25	60	1.0	1.0	5.0	400	GBP
GBP206 	600	2.0	25	60	1.0	1.0	5.0	600	GBP
GBP208 	800	2.0	25	60	1.0	1.0	5.0	800	GBP
GBP2010 	1000	2.0	25	60	1.0	1.0	5.0	1000	GBP
<b>3.0 AMP Bridge Rectifiers</b>									
GBP300 	50	3.0	50	70	1.0	1.5	5.0	50	GBP
GBP301 	100	3.0	50	70	1.0	1.5	5.0	100	GBP
GBP302 	200	3.0	50	70	1.0	1.5	5.0	200	GBP
GBP304 	400	3.0	50	70	1.0	1.5	5.0	400	GBP
GBP306 	600	3.0	50	70	1.0	1.5	5.0	600	GBP
GBP308 	800	3.0	50	70	1.0	1.5	5.0	800	GBP
GBP3010 	1000	3.0	50	70	1.0	1.5	5.0	1000	GBP



AM



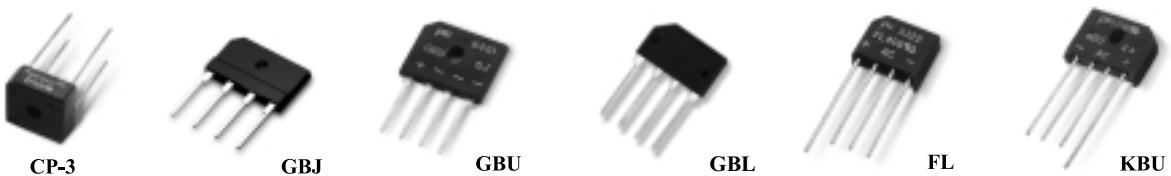
SDIP



GBP

## Bridge Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package
	V <sub>RRM</sub>	I <sub>O</sub> @ T	°C	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>	μA	V	
	V	A	°C	A	V	A	μA	V	
<b>3.0 AMP Bridge Rectifiers --continued</b>									
CP300	50	3.0	50	50	1.0	1.5	5.0	50	CP-3
CP301	100	3.0	50	50	1.0	1.5	5.0	100	CP-3
CP302	200	3.0	50	50	1.0	1.5	5.0	200	CP-3
CP304	400	3.0	50	50	1.0	1.5	5.0	400	CP-3
CP306	600	3.0	50	50	1.0	1.5	5.0	600	CP-3
CP308	800	3.0	50	50	1.0	1.5	5.0	800	CP-3
CP3010	1000	3.0	50	50	1.0	1.5	5.0	1000	CP-3
<b>4.0 AMP Bridge Rectifiers</b>									
FL400	50	4.0	50	200	1.1	4.0	10	50	FL
FL401	100	4.0	50	200	1.1	4.0	10	100	FL
FL402	200	4.0	50	200	1.1	4.0	10	200	FL
FL404	400	4.0	50	200	1.1	4.0	10	400	FL
FL406	600	4.0	50	200	1.1	4.0	10	600	FL
FL408	800	4.0	50	200	1.1	4.0	10	800	FL
GBJ4A <span style="color: blue;">NEW</span>	50	4.0	100	150	1.0	2.0	5.0	50	GBJ
GBJ4B <span style="color: blue;">NEW</span>	100	4.0	100	150	1.0	2.0	5.0	100	GBJ
GBJ4D <span style="color: blue;">NEW</span>	200	4.0	100	150	1.0	2.0	5.0	200	GBJ
GBJ4G <span style="color: blue;">NEW</span>	400	4.0	100	150	1.0	2.0	5.0	400	GBJ
GBJ4J <span style="color: blue;">NEW</span>	600	4.0	100	150	1.0	2.0	5.0	600	GBJ
GBJ4K <span style="color: blue;">NEW</span>	800	4.0	100	150	1.0	2.0	5.0	800	GBJ
GBU4A	50	4.0	100	150	1.0	2.0	5.0	50	GBU
GBU4B	100	4.0	100	150	1.0	2.0	5.0	100	GBU
GBU4D	200	4.0	100	150	1.0	2.0	5.0	200	GBU
GBU4G	400	4.0	100	150	1.0	2.0	5.0	400	GBU
GBU4J	600	4.0	100	150	1.0	2.0	5.0	600	GBU
GBU4K	800	4.0	100	150	1.0	2.0	5.0	800	GBU
KBU4A	50	4.0	100	150	1.0	4.0	5.0	50	KBU
KBU4B	100	4.0	100	150	1.0	4.0	5.0	100	KBU
KBU4D	200	4.0	100	150	1.0	4.0	5.0	200	KBU
KBU4G	400	4.0	100	150	1.0	4.0	5.0	400	KBU
KBU4J	600	4.0	100	150	1.0	4.0	5.0	600	KBU
KBU4K	800	4.0	100	150	1.0	4.0	5.0	800	KBU
GBL400 <span style="color: blue;">NEW</span>	50	4.0	100	150	1.0	2.0	5.0	50	GBL
GBL401 <span style="color: blue;">NEW</span>	100	4.0	100	150	1.0	2.0	5.0	100	GBL
GBL402 <span style="color: blue;">NEW</span>	200	4.0	100	150	1.0	2.0	5.0	200	GBL
GBL404 <span style="color: blue;">NEW</span>	400	4.0	100	150	1.0	2.0	5.0	400	GBL
GBL406 <span style="color: blue;">NEW</span>	600	4.0	100	150	1.0	2.0	5.0	600	GBL
GBL408 <span style="color: blue;">NEW</span>	800	4.0	100	150	1.0	2.0	5.0	800	GBL





## Bridge Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package
	V <sub>RRM</sub>	I <sub>O</sub> @ T		I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>		I <sub>R</sub> @ V <sub>R</sub>		
	V	A	°C	A	V	A	μA	V	
<b>6.0 AMP Bridge Rectifiers</b>									
CP600	50	6.0	50	125	1.1	3.0	10	50	CP-6
CP601	100	6.0	50	125	1.1	3.0	10	100	CP-6
CP602	200	6.0	50	125	1.1	3.0	10	200	CP-6
CP604	400	6.0	50	125	1.1	3.0	10	400	CP-6
CP606	600	6.0	50	125	1.1	3.0	10	600	CP-6
CP608	800	6.0	50	125	1.1	3.0	10	800	CP-6
GBJ6A <span style="color: blue;">NEW</span>	50	6.0	100	175	1.0	3.0	5.0	50	GBJ
GBJ6B <span style="color: blue;">NEW</span>	100	6.0	100	175	1.0	3.0	5.0	100	GBJ
GBJ6D <span style="color: blue;">NEW</span>	200	6.0	100	175	1.0	3.0	5.0	200	GBJ
GBJ6G <span style="color: blue;">NEW</span>	400	6.0	100	175	1.0	3.0	5.0	400	GBJ
GBJ6J <span style="color: blue;">NEW</span>	600	6.0	100	175	1.0	3.0	5.0	600	GBJ
GBJ6K <span style="color: blue;">NEW</span>	800	6.0	100	175	1.0	3.0	5.0	800	GBJ
GBU6A	50	6.0	100	175	1.0	3.0	5.0	50	GBU
GBU6B	100	6.0	100	175	1.0	3.0	5.0	100	GBU
GBU6D	200	6.0	100	175	1.0	3.0	5.0	200	GBU
GBU6G	400	6.0	100	175	1.0	3.0	5.0	400	GBU
GBU6J	600	6.0	100	175	1.0	3.0	5.0	600	GBU
GBU6K	800	6.0	100	175	1.0	3.0	5.0	800	GBU
KBU6A	50	6.0	100	175	1.0	6.0	5.0	50	KBU
KBU6B	100	6.0	100	175	1.0	6.0	5.0	100	KBU
KBU6D	200	6.0	100	175	1.0	6.0	5.0	200	KBU
KBU6G	400	6.0	100	175	1.0	6.0	5.0	400	KBU
KBU6J	600	6.0	100	175	1.0	6.0	5.0	600	KBU
KBU6K	800	6.0	100	175	1.0	6.0	5.0	800	KBU
<b>8.0 AMP Bridge Rectifiers</b>									
CP800	50	8.0	50	200	1.1	4.0	10	50	CP-8
CP801	100	8.0	50	200	1.1	4.0	10	100	CP-8
CP802	200	8.0	50	200	1.1	4.0	10	200	CP-8
CP804	400	8.0	50	200	1.1	4.0	10	400	CP-8
CP806	600	8.0	50	200	1.1	4.0	10	600	CP-8
CP808	800	8.0	50	200	1.1	4.0	10	800	CP-8
GBJ8A <span style="color: blue;">NEW</span>	50	8.0	100	200	1.0	4.0	5.0	50	GBJ
GBJ8B <span style="color: blue;">NEW</span>	100	8.0	100	200	1.0	4.0	5.0	100	GBJ
GBJ8D <span style="color: blue;">NEW</span>	200	8.0	100	200	1.0	4.0	5.0	200	GBJ
GBJ8G <span style="color: blue;">NEW</span>	400	8.0	100	200	1.0	4.0	5.0	400	GBJ
GBJ8J <span style="color: blue;">NEW</span>	600	8.0	100	200	1.0	4.0	5.0	600	GBJ
GBJ8K <span style="color: blue;">NEW</span>	800	8.0	100	200	1.0	4.0	5.0	800	GBJ
GBU8A	50	8.0	100	200	1.0	4.0	5.0	50	GBU
GBU8B	100	8.0	100	200	1.0	4.0	5.0	100	GBU
GBU8D	200	8.0	100	200	1.0	4.0	5.0	200	GBU
GBU8G	400	8.0	100	200	1.0	4.0	5.0	400	GBU
GBU8J	600	8.0	100	200	1.0	4.0	5.0	600	GBU
GBU8K	800	8.0	100	200	1.0	4.0	5.0	800	GBU
KBU8A	50	8.0	100	200	1.0	8.0	5.0	50	KBU
KBU8B	100	8.0	100	200	1.0	8.0	5.0	100	KBU
KBU8D	200	8.0	100	200	1.0	8.0	5.0	200	KBU
KBU8G	400	8.0	100	200	1.0	8.0	5.0	400	KBU
KBU8J	600	8.0	100	200	1.0	8.0	5.0	600	KBU
KBU8K	800	8.0	100	200	1.0	8.0	5.0	800	KBU

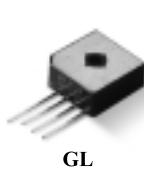
## Bridge Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package
	V <sub>RRM</sub>	I <sub>O</sub> @ T	°C	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	A	I <sub>R</sub> @ V <sub>R</sub>	μA	
	V	A	°C	A	V	A	μA	V	
<b>10.0 AMP Bridge Rectifiers</b>									
CP1000	50	10.0	50	200	1.1	5.0	10	50	CP-10
CP1001	100	10.0	50	200	1.1	5.0	10	100	CP-10
CP1002	200	10.0	50	200	1.1	5.0	10	200	CP-10
CP1004	400	10.0	50	200	1.1	5.0	10	400	CP-10
CP1006	600	10.0	50	200	1.1	5.0	10	600	CP-10
CP1008	800	10.0	50	200	1.1	5.0	10	800	CP-10
CM1000	50	10.0	55	200	1.2	5.0	10	50	CM-25
CM1001	100	10.0	55	200	1.2	5.0	10	100	CM-25
CM1002	200	10.0	55	200	1.2	5.0	10	200	CM-25
CM1004	400	10.0	55	200	1.2	5.0	10	400	CM-25
CM1006	600	10.0	55	200	1.2	5.0	10	600	CM-25
CM1008	800	10.0	55	200	1.2	5.0	10	800	CM-25
CM1000W	50	10.0	55	200	1.2	5.0	10	50	CM-25W
CM1001W	100	10.0	55	200	1.2	5.0	10	100	CM-25W
CM1002W	200	10.0	55	200	1.2	5.0	10	200	CM-25W
CM1004W	400	10.0	55	200	1.2	5.0	10	400	CM-25W
CM1006W	600	10.0	55	200	1.2	5.0	10	600	CM-25W
CM1008W	800	10.0	55	200	1.2	5.0	10	800	CM-25W
GBJ10A <span style="color: blue;">NEW</span>	50	10.0	100	200	1.0	5.0	5.0	50	GBJ
GBJ10B <span style="color: blue;">NEW</span>	100	10.0	100	200	1.0	5.0	5.0	100	GBJ
GBJ10D <span style="color: blue;">NEW</span>	200	10.0	100	200	1.0	5.0	5.0	200	GBJ
GBJ10G <span style="color: blue;">NEW</span>	400	10.0	100	200	1.0	5.0	5.0	400	GBJ
GBJ10J <span style="color: blue;">NEW</span>	600	10.0	100	200	1.0	5.0	5.0	600	GBJ
GBJ10K <span style="color: blue;">NEW</span>	800	10.0	100	200	1.0	5.0	5.0	800	GBJ
GBU10A <span style="color: blue;">NEW</span>	50	10.0	100	200	1.0	5.0	5.0	50	GBU
GBU10B <span style="color: blue;">NEW</span>	100	10.0	100	200	1.0	5.0	5.0	100	GBU
GBU10D <span style="color: blue;">NEW</span>	200	10.0	100	200	1.0	5.0	5.0	200	GBU
GBU10G <span style="color: blue;">NEW</span>	400	10.0	100	200	1.0	5.0	5.0	400	GBU
GBU10J <span style="color: blue;">NEW</span>	600	10.0	100	200	1.0	5.0	5.0	600	GBU
GBU10K <span style="color: blue;">NEW</span>	800	10.0	100	200	1.0	5.0	5.0	800	GBU
<b>12.0 AMP Bridge Rectifiers</b>									
GBPC12005	50	12.0	55	200	1.2	6.0	10	50	GBPC
GBPC1201	100	12.0	55	200	1.2	6.0	10	100	GBPC
GBPC1202	200	12.0	55	200	1.2	6.0	10	200	GBPC
GBPC1204	400	12.0	55	200	1.2	6.0	10	400	GBPC
GBPC1206	600	12.0	55	200	1.2	6.0	10	600	GBPC
GBPC1208	800	12.0	55	200	1.2	6.0	10	800	GBPC
GBPC12005W	50	12.0	55	200	1.2	6.0	10	50	GBPC-W
GBPC1201W	100	12.0	55	200	1.2	6.0	10	100	GBPC-W
GBPC1202W	200	12.0	55	200	1.2	6.0	10	200	GBPC-W
GBPC1204W	400	12.0	55	200	1.2	6.0	10	400	GBPC-W
GBPC1206W	600	12.0	55	200	1.2	6.0	10	600	GBPC-W
GBPC1208W	800	12.0	55	200	1.2	6.0	10	800	GBPC-W



## Bridge Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package
	V <sub>RRM</sub>	I <sub>O</sub> @ T	°C	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	A	I <sub>R</sub> @ V <sub>R</sub>		
	V	A	°C	A	V	A	μA	V	
<b>15.0 AMP Bridge Rectifiers</b>									
CP1500	50	15.0	55	300	1.1	7.5	10	50	CP-25
CP1501	100	15.0	55	300	1.1	7.5	10	100	CP-25
CP1502	200	15.0	55	300	1.1	7.5	10	200	CP-25
CP1504	400	15.0	55	300	1.1	7.5	10	400	CP-25
CP1506	600	15.0	55	300	1.1	7.5	10	600	CP-25
CP1508	800	15.0	55	300	1.1	7.5	10	800	CP-25
CP1500W	50	15.0	55	300	1.1	7.5	10	50	CP-25W
CP1501W	100	15.0	55	300	1.1	7.5	10	100	CP-25W
CP1502W	200	15.0	55	300	1.1	7.5	10	200	CP-25W
CP1504W	400	15.0	55	300	1.1	7.5	10	400	CP-25W
CP1506W	600	15.0	55	300	1.1	7.5	10	600	CP-25W
CP1508W	800	15.0	55	300	1.1	7.5	10	800	CP-25W
CM1500	50	15.0	55	300	1.2	7.5	10	50	CM-25
CM1501	100	15.0	55	300	1.2	7.5	10	100	CM-25
CM1502	200	15.0	55	300	1.2	7.5	10	200	CM-25
CM1504	400	15.0	55	300	1.2	7.5	10	400	CM-25
CM1506	600	15.0	55	300	1.2	7.5	10	600	CM-25
CM1508	800	15.0	55	300	1.2	7.5	10	800	CM-25
CM1500W	50	15.0	55	300	1.2	7.5	10	50	CM-25W
CM1501W	100	15.0	55	300	1.2	7.5	10	100	CM-25W
CM1502W	200	15.0	55	300	1.2	7.5	10	200	CM-25W
CM1504W	400	15.0	55	300	1.2	7.5	10	400	CM-25W
CM1506W	600	15.0	55	300	1.2	7.5	10	600	CM-25W
CM1508W	800	15.0	55	300	1.2	7.5	10	800	CM-25W
GBPC15005	50	15.0	55	300	1.2	7.5	10	50	GBPC
GBPC1501	100	15.0	55	300	1.2	7.5	10	100	GBPC
GBPC1502	200	15.0	55	300	1.2	7.5	10	200	GBPC
GBPC1504	400	15.0	55	300	1.2	7.5	10	400	GBPC
GBPC1506	600	15.0	55	300	1.2	7.5	10	600	GBPC
GBPC1508	800	15.0	55	300	1.2	7.5	10	800	GBPC
GBPC15005W	50	15.0	55	300	1.2	7.5	10	50	GBPC-W
GBPC1501W	100	15.0	55	300	1.2	7.5	10	100	GBPC-W
GBPC1502W	200	15.0	55	300	1.2	7.5	10	200	GBPC-W
GBPC1504W	400	15.0	55	300	1.2	7.5	10	400	GBPC-W
GBPC1506W	600	15.0	55	300	1.2	7.5	10	600	GBPC-W
GBPC1508W	800	15.0	55	300	1.2	7.5	10	800	GBPC-W
GL1500	50	15.0	55	300	1.1	7.5	10	50	GL
GL1501	100	15.0	55	300	1.1	7.5	10	100	GL
GL1502	200	15.0	55	300	1.1	7.5	10	200	GL
GL1504	400	15.0	55	300	1.1	7.5	10	400	GL
GL1506	600	15.0	55	300	1.1	7.5	10	600	GL
GL1508	800	15.0	55	300	1.1	7.5	10	800	GL



GL



CP-25W



GBPC



GBPC-W



CM-25



CM-25W

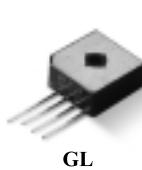
## Bridge Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)	Package	
	V <sub>RRM</sub>	I <sub>O</sub> @ T	°C	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	I <sub>R</sub> @ V <sub>R</sub>			
	V	A	°C	A	V	A	μA	V	
<b>25.0 AMP Bridge Rectifiers</b>									
CP2500	50	25.0	55	300	1.1	12.5	10	50	CP-25
CP2501	100	25.0	55	300	1.1	12.5	10	100	CP-25
CP2502	200	25.0	55	300	1.1	12.5	10	200	CP-25
CP2504	400	25.0	55	300	1.1	12.5	10	400	CP-25
CP2506	600	25.0	55	300	1.1	12.5	10	600	CP-25
CP2508	800	25.0	55	300	1.1	12.5	10	800	CP-25
CP2500W	50	25.0	55	300	1.1	12.5	10	50	CP-25W
CP2501W	100	25.0	55	300	1.1	12.5	10	100	CP-25W
CP2502W	200	25.0	55	300	1.1	12.5	10	200	CP-25W
CP2504W	400	25.0	55	300	1.1	12.5	10	400	CP-25W
CP2506W	600	25.0	55	300	1.1	12.5	10	600	CP-25W
CP2508W	800	25.0	55	300	1.1	12.5	10	800	CP-25W
CM2500	50	25.0	55	300	1.2	12.5	10	50	CM-25
CM2501	100	25.0	55	300	1.2	12.5	10	100	CM-25
CM2502	200	25.0	55	300	1.2	12.5	10	200	CM-25
CM2504	400	25.0	55	300	1.2	12.5	10	400	CM-25
CM2506	600	25.0	55	300	1.2	12.5	10	600	CM-25
CM2508	800	25.0	55	300	1.2	12.5	10	800	CM-25
CM2500W	50	25.0	55	300	1.2	12.5	10	50	CM-25W
CM2501W	100	25.0	55	300	1.2	12.5	10	100	CM-25W
CM2502W	200	25.0	55	300	1.2	12.5	10	200	CM-25W
CM2504W	400	25.0	55	300	1.2	12.5	10	400	CM-25W
CM2506W	600	25.0	55	300	1.2	12.5	10	600	CM-25W
CM2508W	800	25.0	55	300	1.2	12.5	10	800	CM-25W
GBPC25005	50	25.0	55	300	1.2	12.5	10	50	GBPC
GBPC2501	100	25.0	55	300	1.2	12.5	10	100	GBPC
GBPC2502	200	25.0	55	300	1.2	12.5	10	200	GBPC
GBPC2504	400	25.0	55	300	1.2	12.5	10	400	GBPC
GBPC2506	600	25.0	55	300	1.2	12.5	10	600	GBPC
GBPC2508	800	25.0	55	300	1.2	12.5	10	800	GBPC
GBPC25005W	50	25.0	55	300	1.2	12.5	10	50	GBPC-W
GBPC2501W	100	25.0	55	300	1.2	12.5	10	100	GBPC-W
GBPC2502W	200	25.0	55	300	1.2	12.5	10	200	GBPC-W
GBPC2504W	400	25.0	55	300	1.2	12.5	10	400	GBPC-W
GBPC2506W	600	25.0	55	300	1.2	12.5	10	600	GBPC-W
GBPC2508W	800	25.0	55	300	1.2	12.5	10	800	GBPC-W
GL2500	50	25.0	55	300	1.1	12.5	10	50	GL
GL2501	100	25.0	55	300	1.1	12.5	10	100	GL
GL2502	200	25.0	55	300	1.1	12.5	10	200	GL
GL2504	400	25.0	55	300	1.1	12.5	10	400	GL
GL2506	600	25.0	55	300	1.1	12.5	10	600	GL
GL2508	800	25.0	55	300	1.1	12.5	10	800	GL



## Bridge Rectifiers (continued)

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I)		Max. Peak Forward Surge Current (I)	Forward Voltage Drop		Max. Reverse Current (I)		Package
	V <sub>RRM</sub>	I <sub>O</sub> @ T	°C	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	A	I <sub>R</sub> @ V <sub>R</sub>		
	V	A	°C	A	V	A	μA	V	
<b>35.0 AMP Bridge Rectifiers</b>									
CP3500	50	35.0	55	400	1.1	17.5	10	50	CP-25
CP3501	100	35.0	55	400	1.1	17.5	10	100	CP-25
CP3502	200	35.0	55	400	1.1	17.5	10	200	CP-25
CP3504	400	35.0	55	400	1.1	17.5	10	400	CP-25
CP3506	600	35.0	55	400	1.1	17.5	10	600	CP-25
CP3508	800	35.0	55	400	1.1	17.5	10	800	CP-25
CP3500W	50	35.0	55	400	1.1	17.5	10	50	CP-25W
CP3501W	100	35.0	55	400	1.1	17.5	10	100	CP-25W
CP3502W	200	35.0	55	400	1.1	17.5	10	200	CP-25W
CP3504W	400	35.0	55	400	1.1	17.5	10	400	CP-25W
CP3506W	600	35.0	55	400	1.1	17.5	10	600	CP-25W
CP3508W	800	35.0	55	400	1.1	17.5	10	800	CP-25W
CM3500	50	35.0	55	400	1.2	17.5	10	50	CM-25
CM3501	100	35.0	55	400	1.2	17.5	10	100	CM-25
CM3502	200	35.0	55	400	1.2	17.5	10	200	CM-25
CM3504	400	35.0	55	400	1.2	17.5	10	400	CM-25
CM3506	600	35.0	55	400	1.2	17.5	10	600	CM-25
CM3508	800	35.0	55	400	1.2	17.5	10	800	CM-25
CM3500W	50	35.0	55	400	1.2	17.5	10	50	CM-25W
CM3501W	100	35.0	55	400	1.2	17.5	10	100	CM-25W
CM3502W	200	35.0	55	400	1.2	17.5	10	200	CM-25W
CM3504W	400	35.0	55	400	1.2	17.5	10	400	CM-25W
CM3506W	600	35.0	55	400	1.2	17.5	10	600	CM-25W
CM3508W	800	35.0	55	400	1.2	17.5	10	800	CM-25W
GBPC35005	50	35.0	55	400	1.2	17.5	10	50	GBPC
GBPC3501	100	35.0	55	400	1.2	17.5	10	100	GBPC
GBPC3502	200	35.0	55	400	1.2	17.5	10	200	GBPC
GBPC3504	400	35.0	55	400	1.2	17.5	10	400	GBPC
GBPC3506	600	35.0	55	400	1.2	17.5	10	600	GBPC
GBPC3508	800	35.0	55	400	1.2	17.5	10	800	GBPC
GBPC35005W	50	35.0	55	400	1.2	17.5	10	50	GBPC-W
GBPC3501W	100	35.0	55	400	1.2	17.5	10	100	GBPC-W
GBPC3502W	200	35.0	55	400	1.2	17.5	10	200	GBPC-W
GBPC3504W	400	35.0	55	400	1.2	17.5	10	400	GBPC-W
GBPC3506W	600	35.0	55	400	1.2	17.5	10	600	GBPC-W
GBPC3508W	800	35.0	55	400	1.2	17.5	10	800	GBPC-W
GL3500	50	35.0	55	400	1.1	17.5	10	50	GL
GL3501	100	35.0	55	400	1.1	17.5	10	100	GL
GL3502	200	35.0	55	400	1.1	17.5	10	200	GL
GL3504	400	35.0	55	400	1.1	17.5	10	400	GL
GL3506	600	35.0	55	400	1.1	17.5	10	600	GL
GL3508	800	35.0	55	400	1.1	17.5	10	800	GL



GL



CP-25



CP-25W



GBPC



GBPC-W



CM-25



CM-25W

## Bridge Rectifiers (continued)

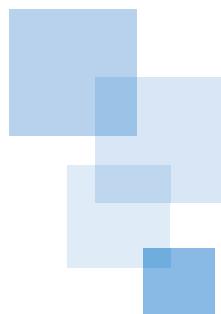
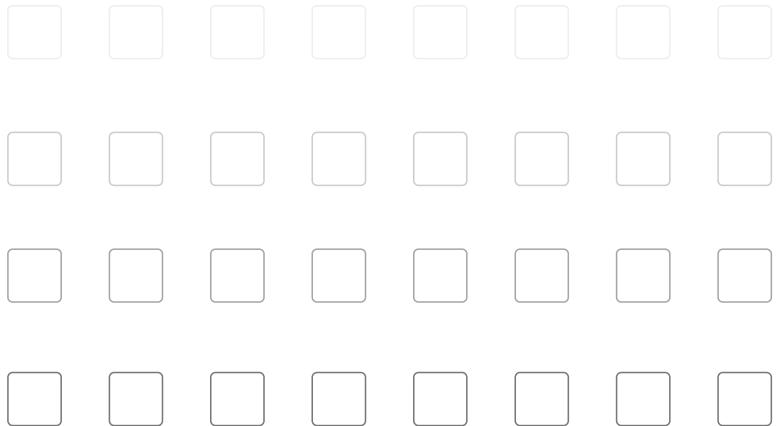
Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current (I <sub>O</sub> )		Max. Peak Forward Surge Current (I <sub>FSM</sub> )	Forward Voltage Drop		Max. Reverse Current (I <sub>R</sub> )		Package
	V <sub>RRM</sub>	I <sub>O</sub> @ T	°C	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>	A	I <sub>R</sub> @ V <sub>R</sub>		
	V	A	°C	A	V	A	μA	V	
<b>40.0 AMP Bridge Rectifiers</b>									
CP4000	50	40.0	55	400	1.1	20.0	10	50	CP-25
CP4001	100	40.0	55	400	1.1	20.0	10	100	CP-25
CP4002	200	40.0	55	400	1.1	20.0	10	200	CP-25
CP4004	400	40.0	55	400	1.1	20.0	10	400	CP-25
CP4006	600	40.0	55	400	1.1	20.0	10	600	CP-25
CP4008	800	40.0	55	400	1.1	20.0	10	800	CP-25
CP40010	1000	40.0	55	400	1.1	20.0	10	1000	CP-25
CM4000	50	40.0	55	400	1.2	20.0	10	50	CM-25
CM4001	100	40.0	55	400	1.2	20.0	10	100	CM-25
CM4002	200	40.0	55	400	1.2	20.0	10	200	CM-25
CM4004	400	40.0	55	400	1.2	20.0	10	400	CM-25
CM4006	600	40.0	55	400	1.2	20.0	10	600	CM-25
CM4008	800	40.0	55	400	1.2	20.0	10	800	CM-25
CM40010	1000	40.0	55	400	1.2	20.0	10	1000	CM-25
<b>50.0 AMP Bridge Rectifiers</b>									
CP5000	50	50.0	55	400	1.1	25.0	10	50	CP-25
CP5001	100	50.0	55	400	1.1	25.0	10	100	CP-25
CP5002	200	50.0	55	400	1.1	25.0	10	200	CP-25
CP5004	400	50.0	55	400	1.1	25.0	10	400	CP-25
CP5006	600	50.0	55	400	1.1	25.0	10	600	CP-25
CP5008	800	50.0	55	400	1.1	25.0	10	800	CP-25
CP50010	1000	50.0	55	400	1.1	25.0	10	1000	CP-25
CM5000	50	50.0	55	400	1.2	25.0	10	50	CM-25
CM5001	100	50.0	55	400	1.2	25.0	10	100	CM-25
CM5002	200	50.0	55	400	1.2	25.0	10	200	CM-25
CM5004	400	50.0	55	400	1.2	25.0	10	400	CM-25
CM5006	600	50.0	55	400	1.2	25.0	10	600	CM-25
CM5008	800	50.0	55	400	1.2	25.0	10	800	CM-25
CM50010	1000	50.0	55	400	1.2	25.0	10	1000	CM-25



CP-25



CM-25



# Appendix

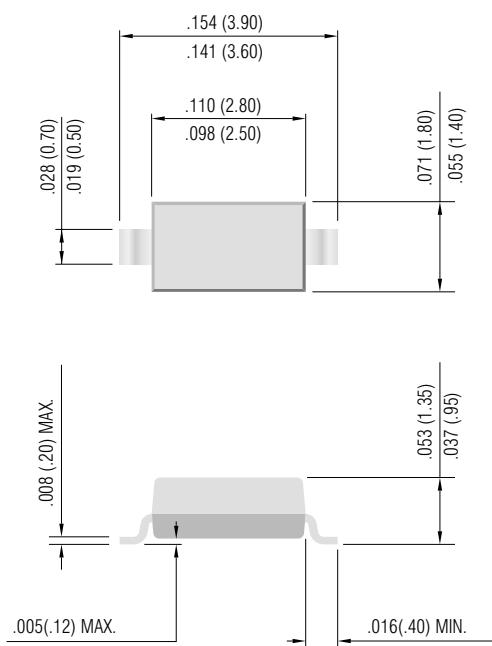
## **Product Series**

- 
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  - Packing Specifications ..... Page 115

## Outline Drawing

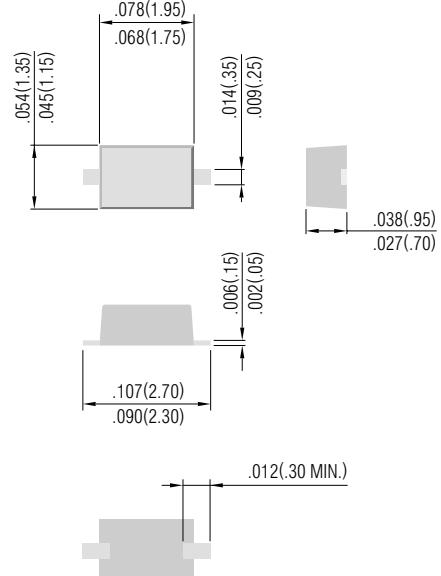
SOD-123

Unit: inch ( mm )



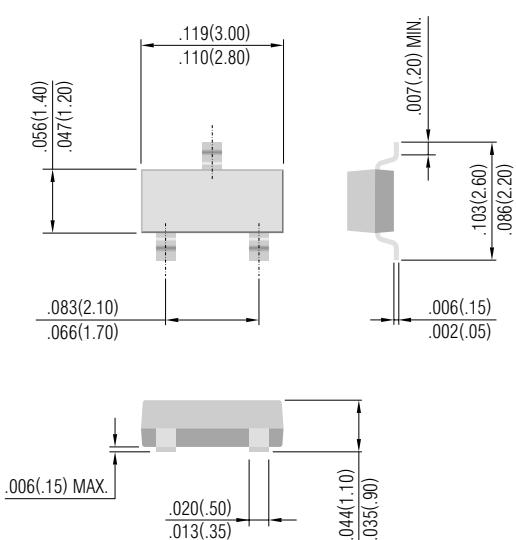
SOD-323

Unit: inch ( mm )



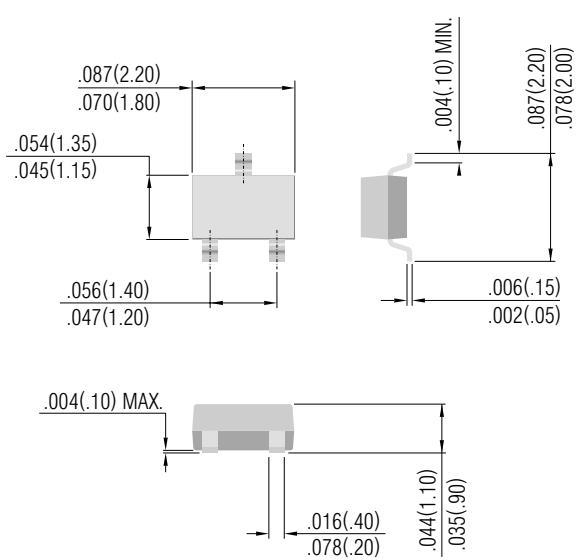
SOT-23

Unit: inch ( mm )



SOT-323

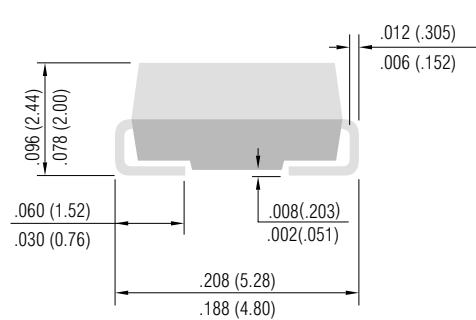
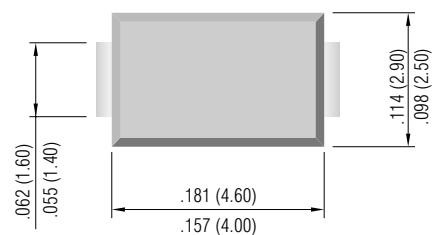
Unit: inch ( mm )



## Outline Drawing

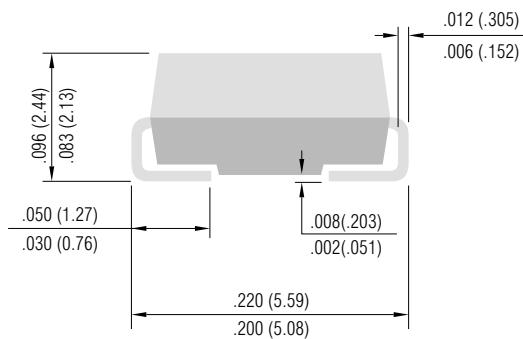
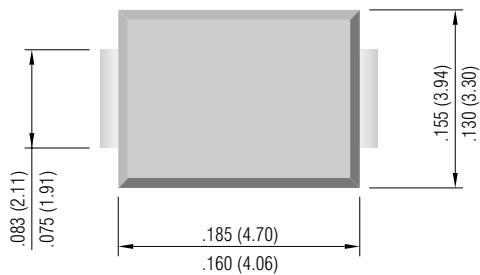
SMA / DO-214AC

Unit: inch ( mm )



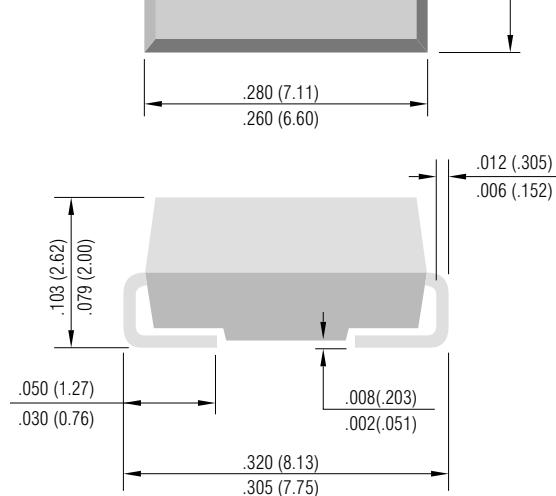
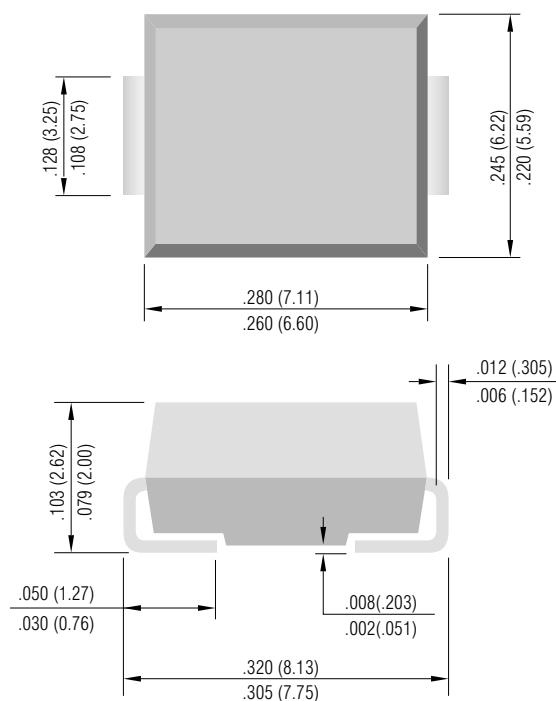
SMB / DO-214AA

Unit: inch ( mm )



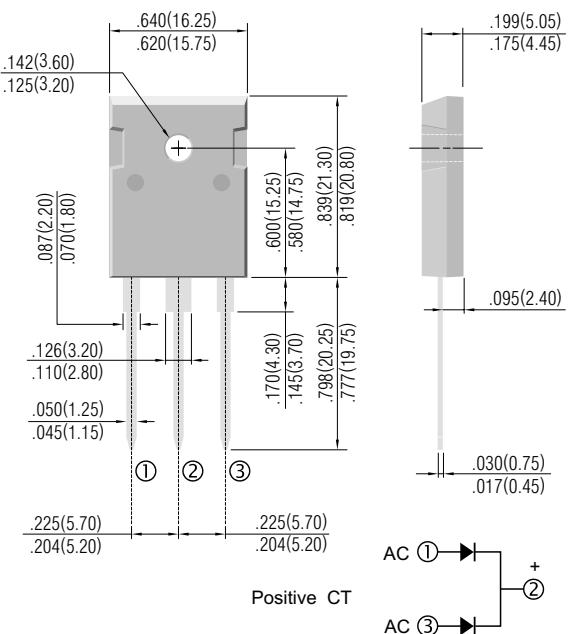
SMC / DO-214AB

Unit: inch ( mm )



TO-3P

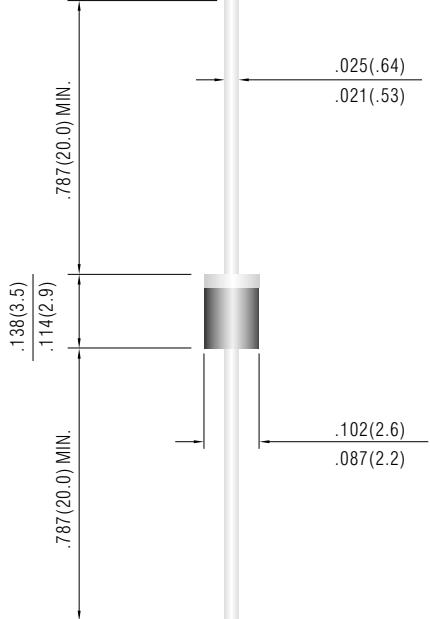
Unit: inch ( mm )



## Outline Drawing

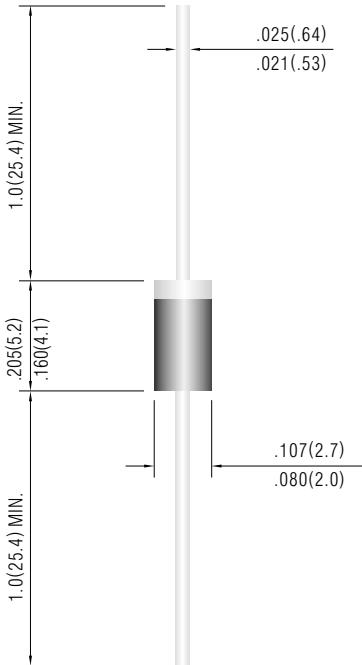
R-1

Unit: inch ( mm )



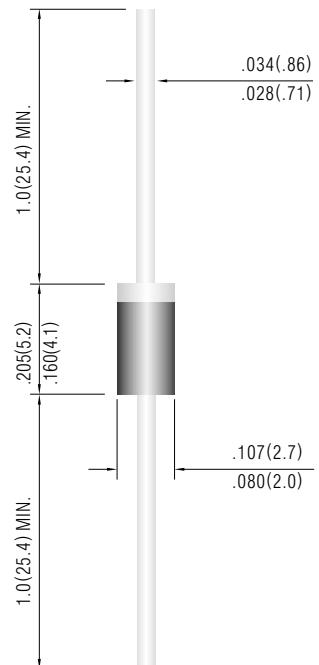
A-405

Unit: inch ( mm )



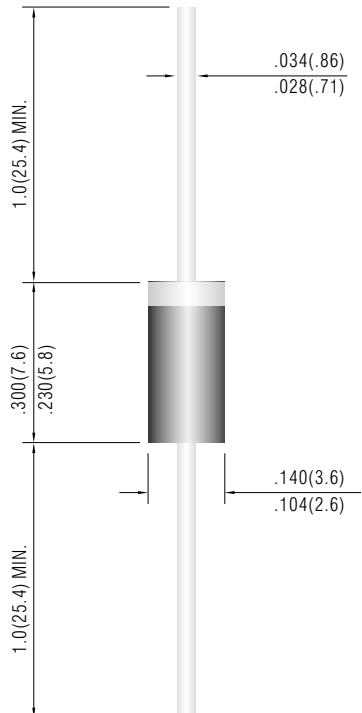
DO-41

Unit: inch ( mm )



DO-15

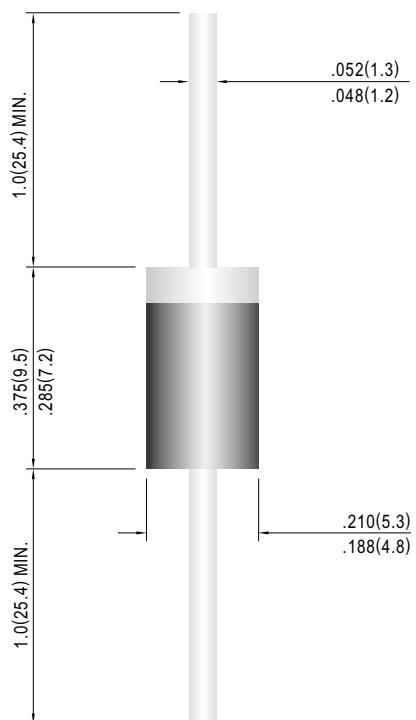
Unit: inch ( mm )



## Outline Drawing

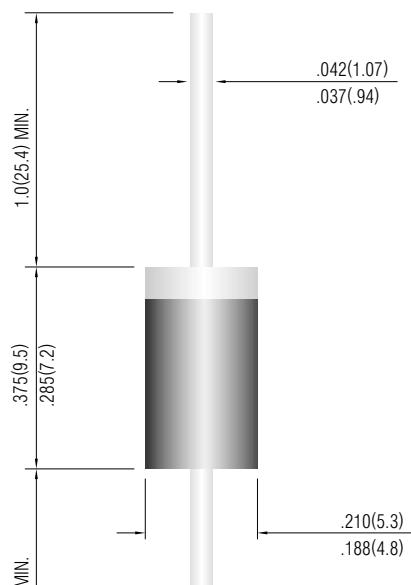
DO-201AD

Unit: inch ( mm )



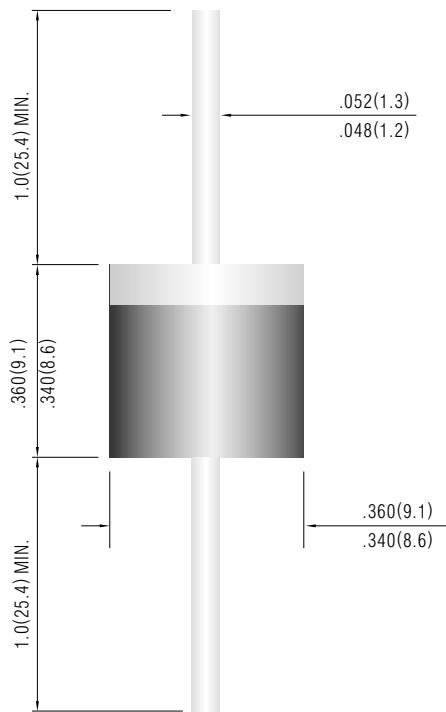
DO-201AE

Unit: inch ( mm )



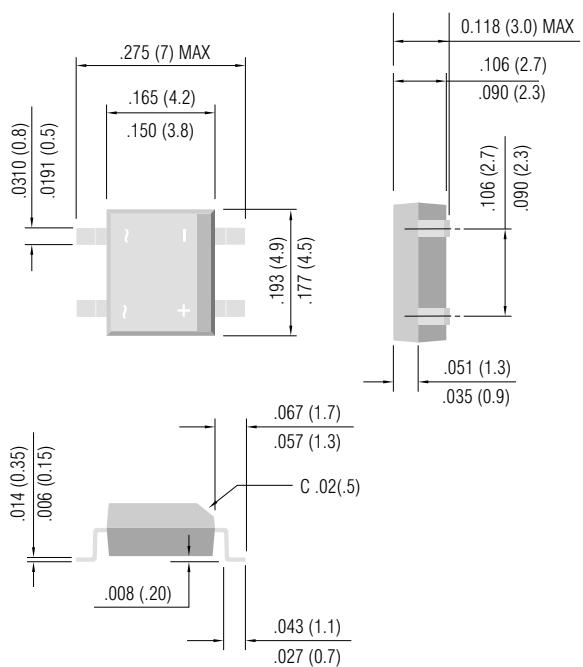
P-600

Unit: inch ( mm )



MDI

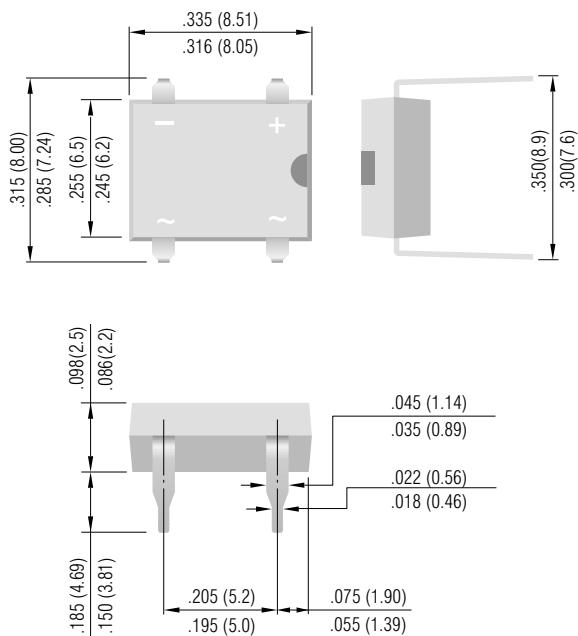
Unit: inch ( mm )



## Outline Drawing

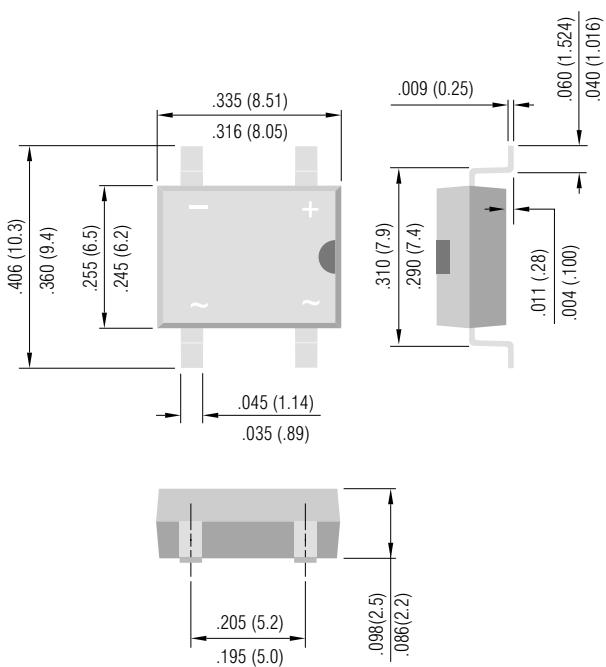
DIP

Unit: inch ( mm )



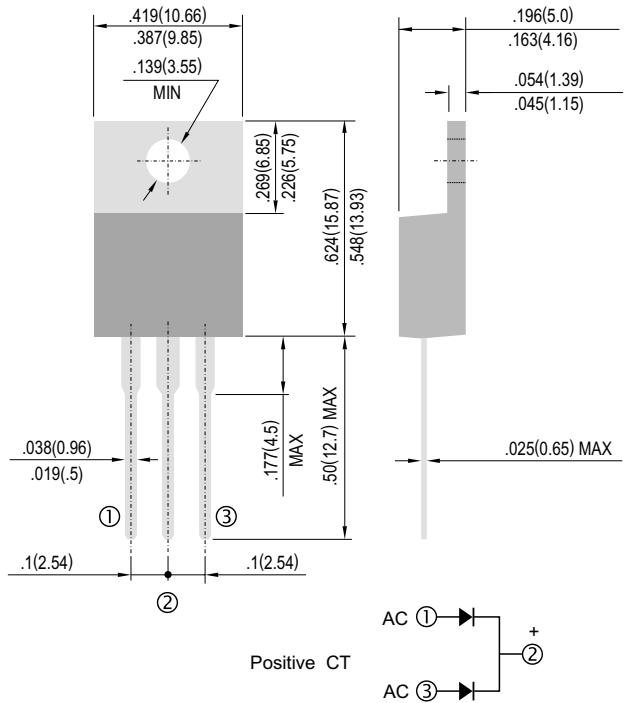
SDIP

Unit: inch ( mm )



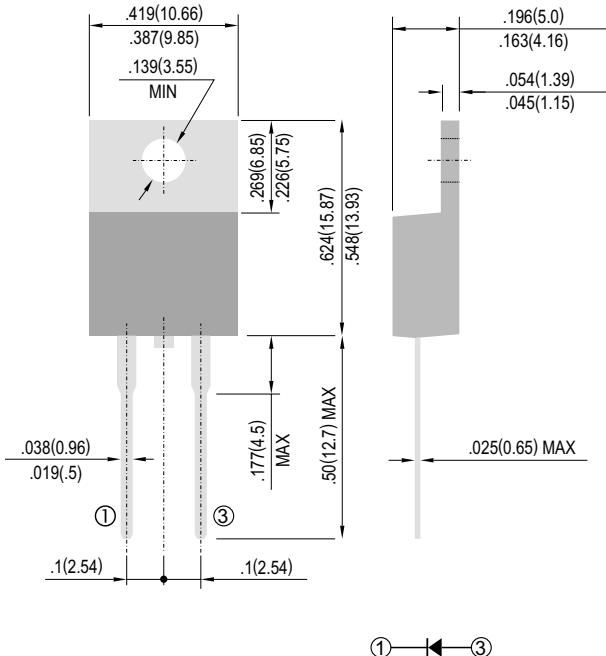
TO-220AB

Unit: inch ( mm )



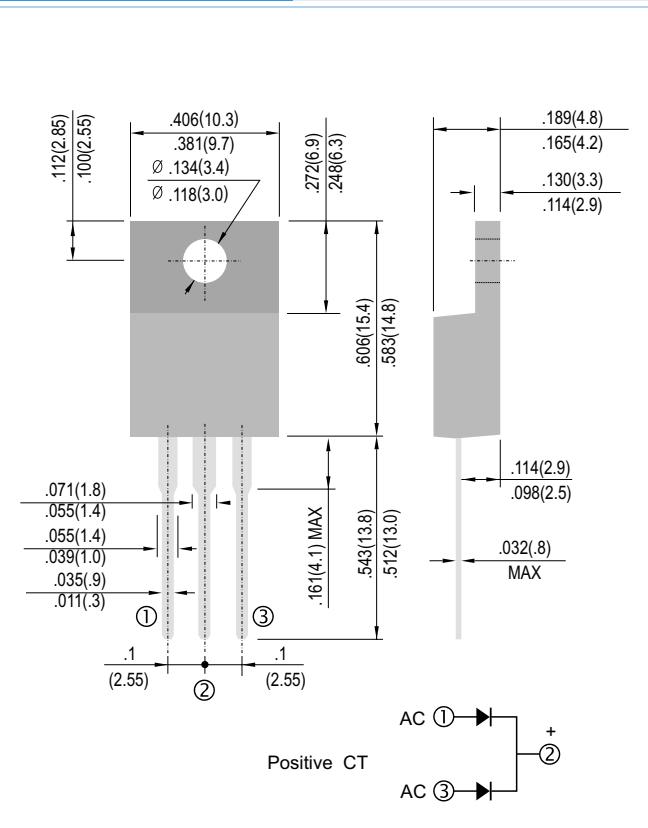
TO-220AC

Unit: inch ( mm )



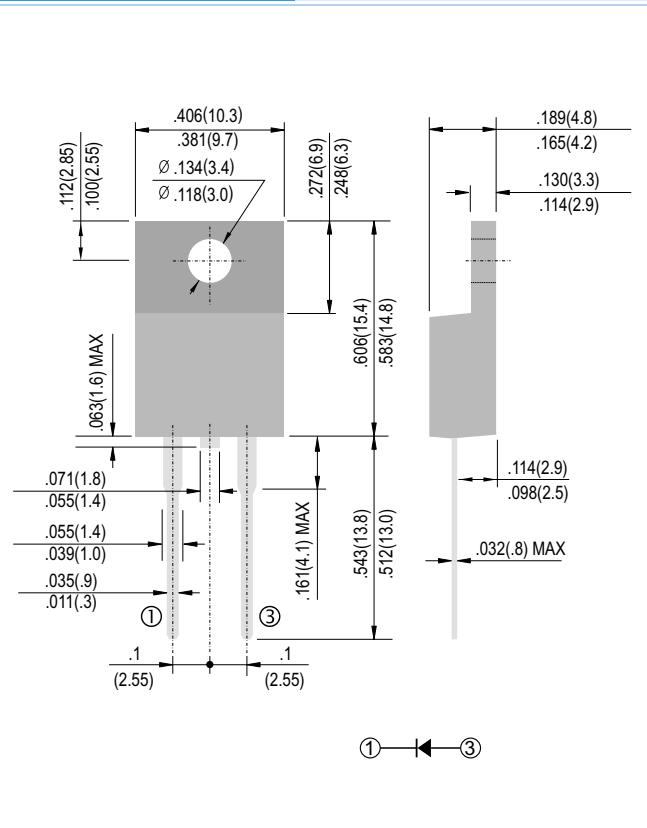
# Outline Drawing

ITO-220AB

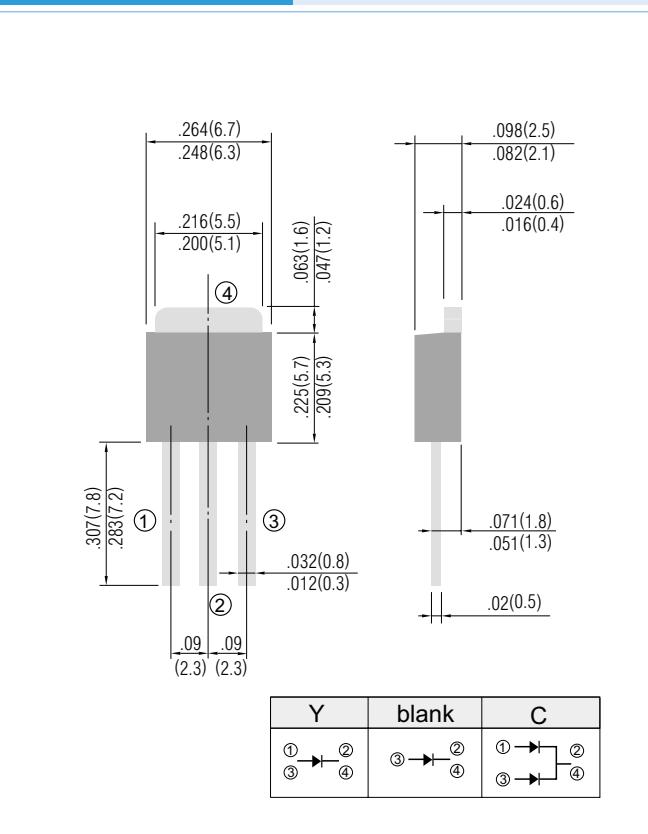


Unit: inch ( mm )

ITO-220AC

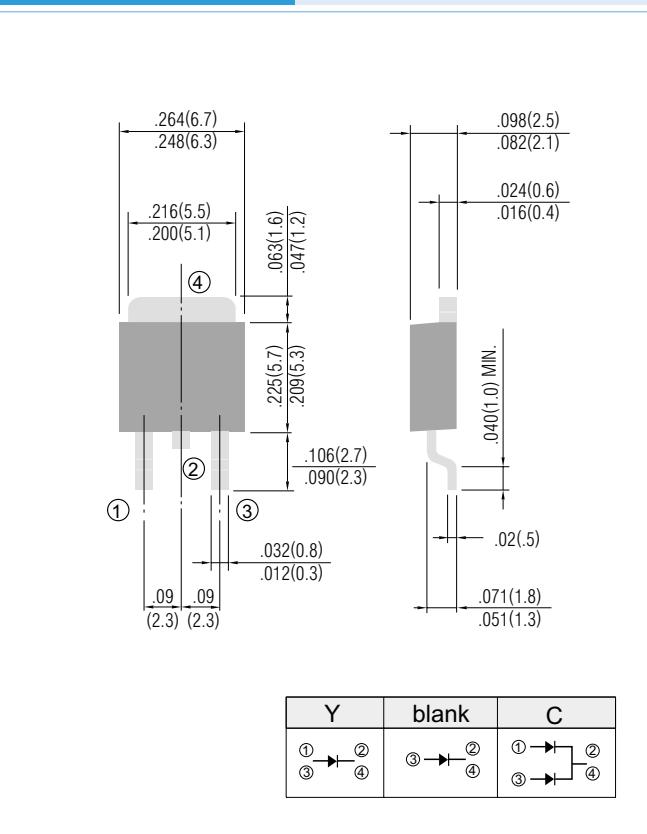


TO-251AB



Unit: inch ( mm )

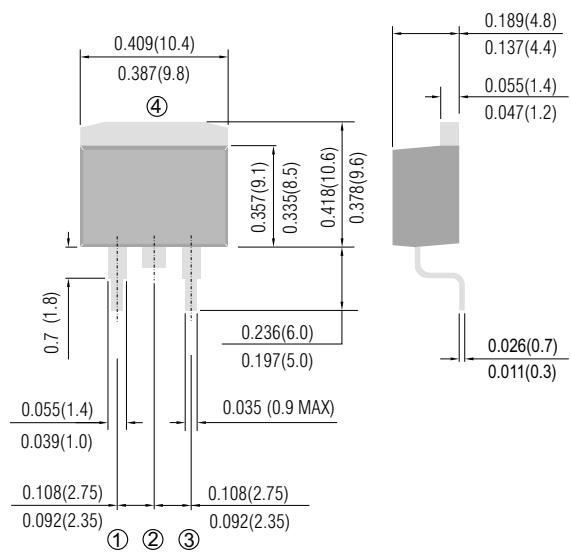
TO-252 / DPAK



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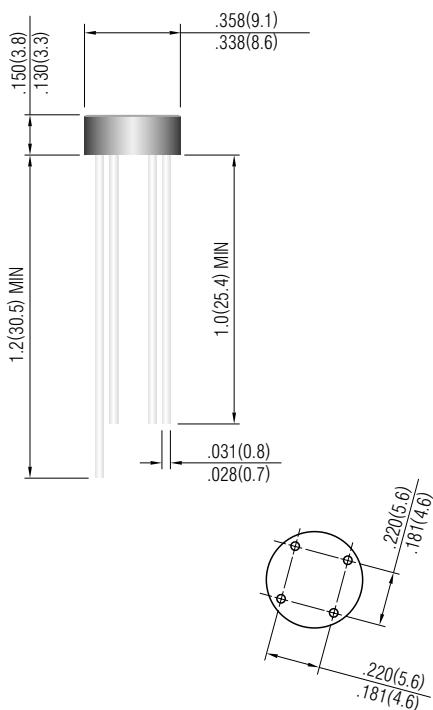
TO-263 / D<sup>2</sup>PAK

Unit: inch ( mm )



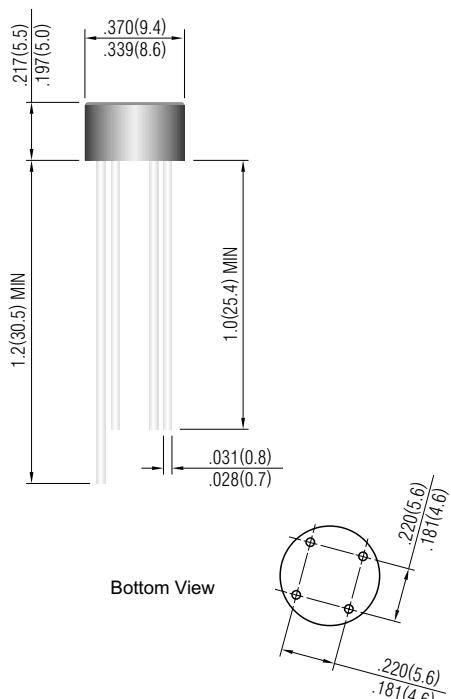
AL

Unit: inch ( mm )



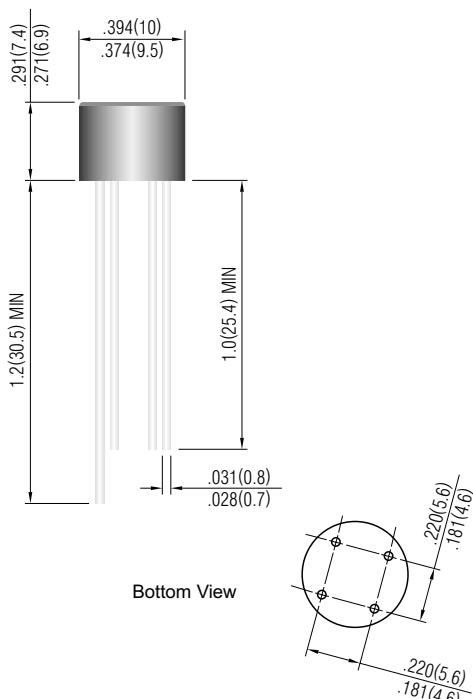
AM

Unit: inch ( mm )



AG

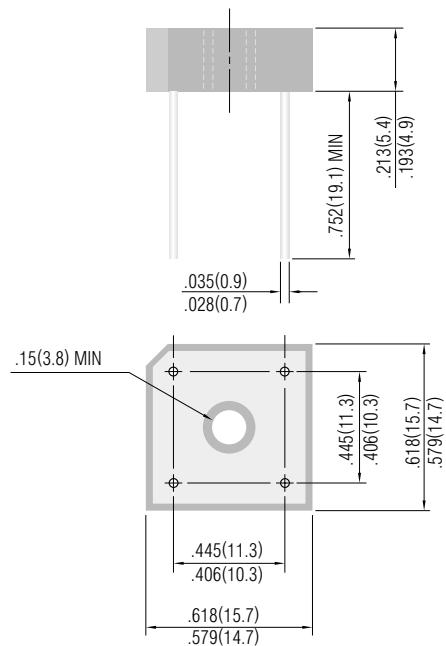
Unit: inch ( mm )



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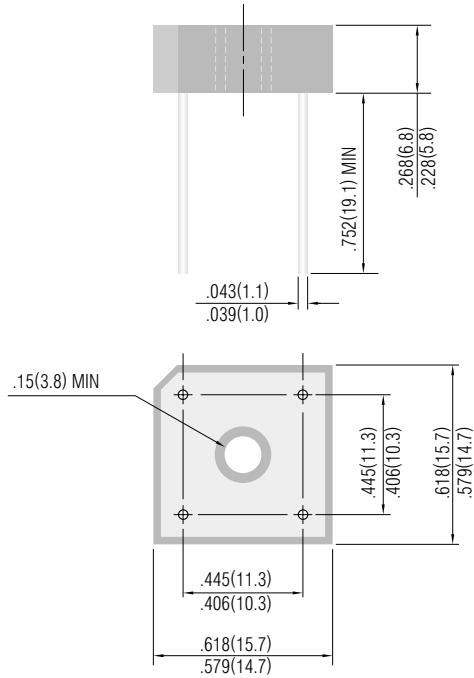
CP-3

Unit: inch ( mm )



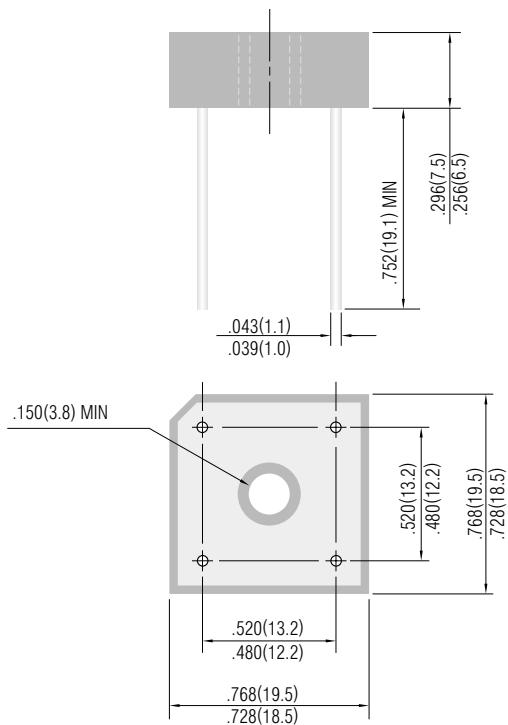
CP-6

Unit: inch ( mm )



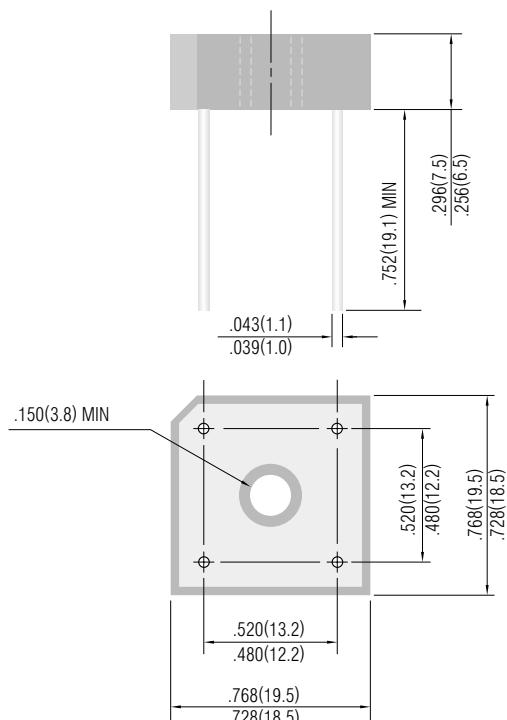
CP-8

Unit: inch ( mm )



CP-10

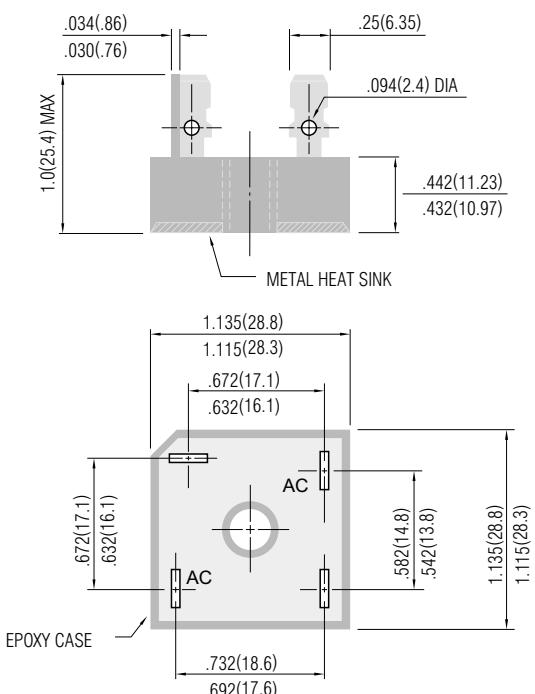
Unit: inch ( mm )



## Outline Drawing

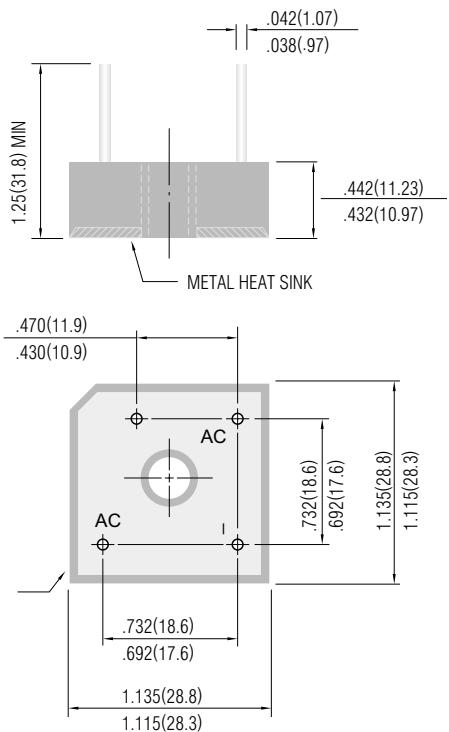
CP

Unit: inch ( mm )



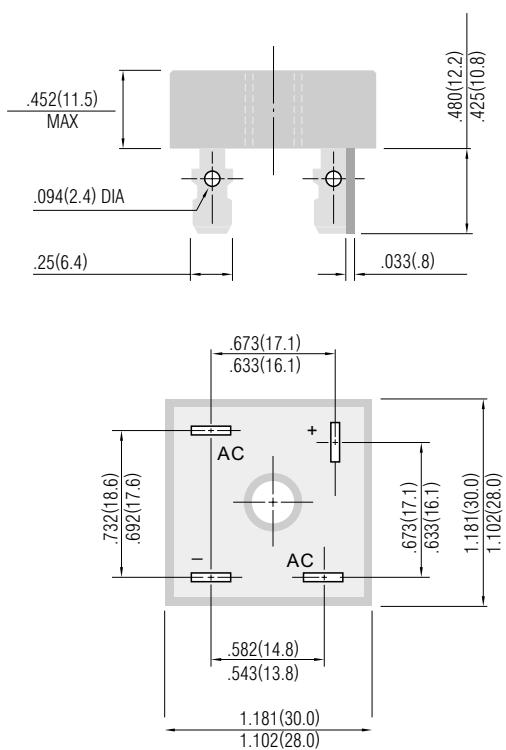
CP-W

Unit: inch ( mm )



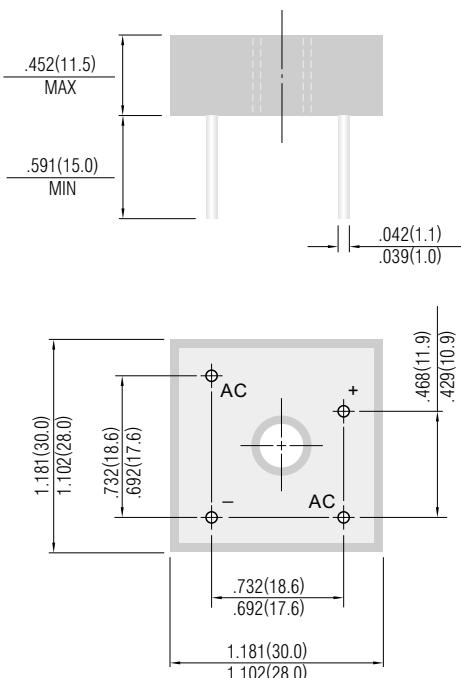
CM

Unit: inch ( mm )



CM-W

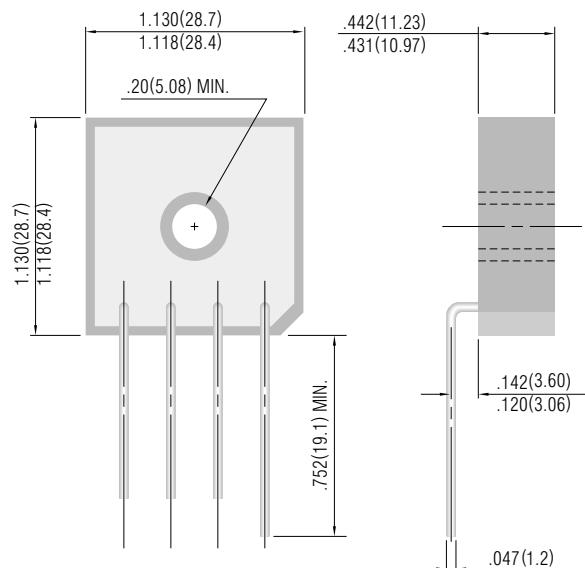
Unit: inch ( mm )



## Outline Drawing

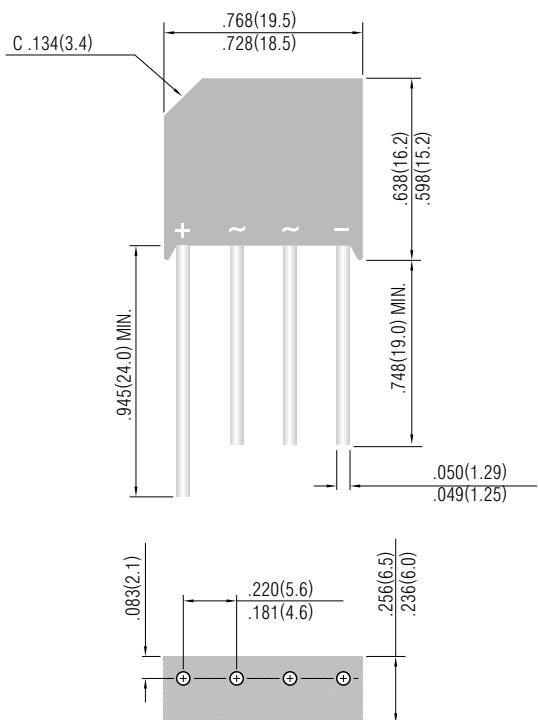
GL

Unit: inch ( mm )



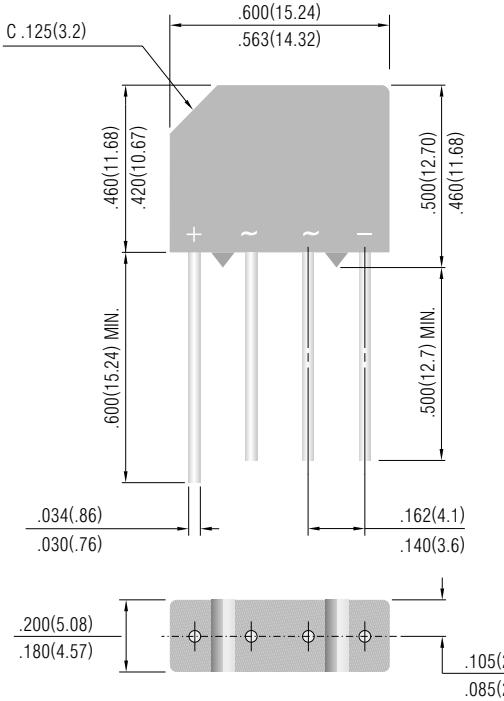
FL

Unit: inch ( mm )



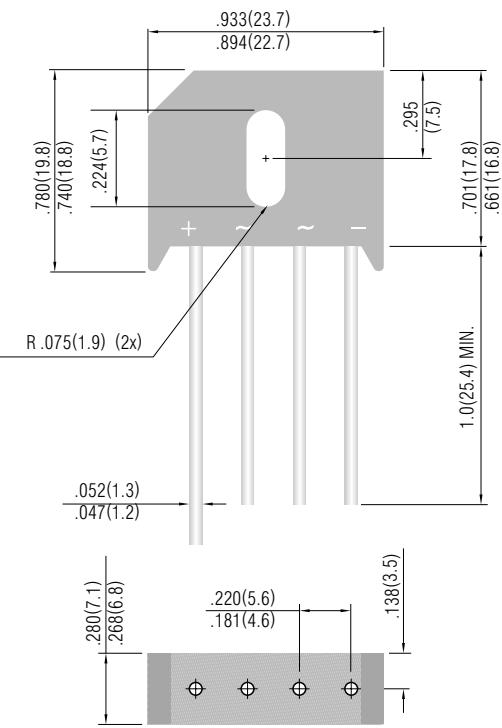
KBPM

Unit: inch ( mm )



KBU

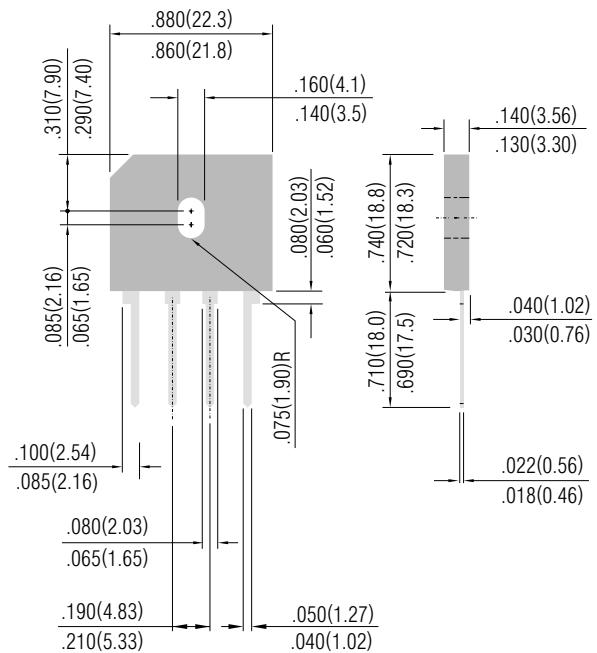
Unit: inch ( mm )



## Outline Drawing

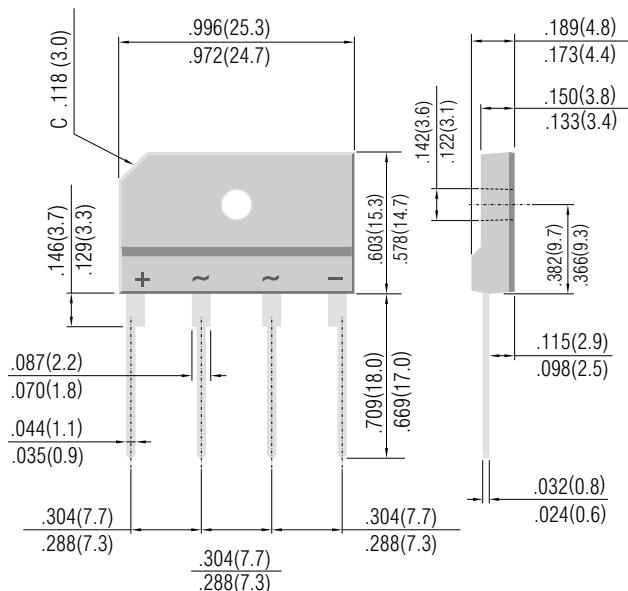
GBU

Unit: inch ( mm )



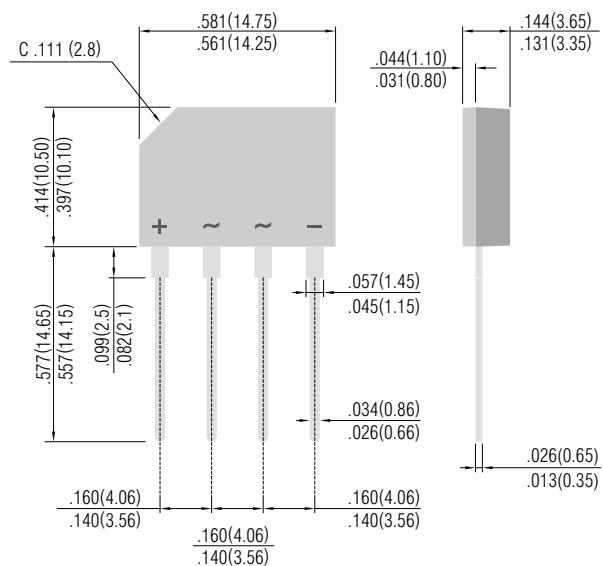
GBJ

Unit: inch ( mm )



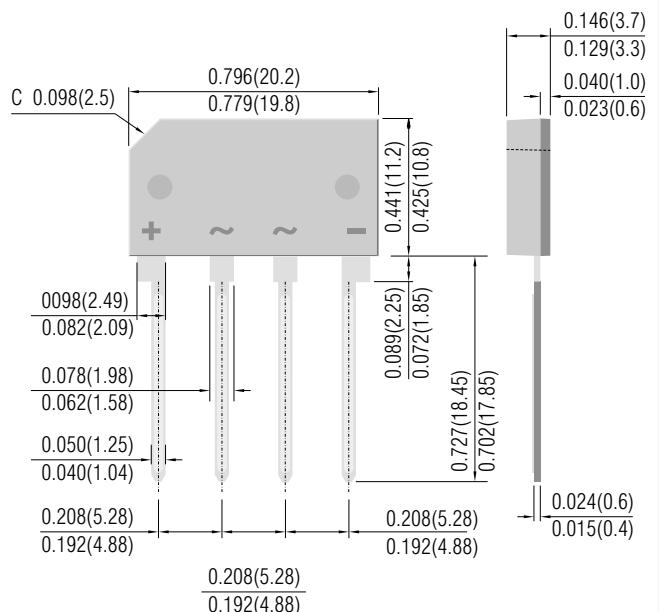
GBP

Unit: inch ( mm )



GBL

Unit: inch ( mm )



# Packing Specifications

## Bulk Packing

PACKAGE	INNER SIZE (m/m)	BOX (EA)	CARTON SIZE (m/m)	CARTON (EA)	APPROX. GROSS WEIGHT (Kg)
R-1	198x84x20	1,000	459x214x256	50,000	12.4
A-405	198x84x20	1,000	459x214x256	50,000	13.4
DO-41	198x84x20	1,000	459x214x256	50,000	19.1
DO-15	200x85x25	1,000	459x214x256	40,000	17.5
DO-201AE	200x85x40	500	459x214x256	12,500	17.0
DO-201AD	200x85x40	500	459x214x256	12,500	17.3
P600	208x90x83	500	459x214x256	5,000	11.3
AM	195x195x40	1,000	400x273x415	10,000	16.8
DIP	-	-	459x214x256	12,000	10.2
SDIP	-	-	459x214x256	24,000	15.5
KBPM	215x90x88	500	510x340x235	10,000	20.4
FL	230x230x50	500	495x245x180	3,000	25.0
GBU	352x337x44	1000	375x360x213	4,000	18.9
CP-3	195x195x40	400	400x273x415	4,000	15.3
CP-6	195x195x40	400	400x273x415	4,000	19.8
CP-8/10	195x195x40	250	400x273x415	2,500	16.0
CP-25(W)	260x190x75	50	460x215x260	500	21.8
CM-25(W)	260x190x75	50	460x215x260	500	18.0
CM-25	260x190x75	50	460x215x260	500	18.0
CP-25	260x190x75	50	460x215x260	500	15.0
ITO/TO-220	555x145x95	2,000	572x306x218	8,000	13.4
GL	260x190x75	72	460x215x260	864	15.8
KBU	230x230x50	400	495X245X180	2,400	21.5
GBJ	352x337x44	600	375X360X213	2,400	13.1
TO-251AB	560x210x79	8,000	577X226X196	16,000	6.5
GBL	352x337x44	960	375x360x213	3,840	13.0
GBP	352x337x44	1280	375x360x213	5,120	11.3
TO-3P	-	-	536x243x100	1,500	12.7

# Packing Specifications

## Ammunition Packing

PACKAGE	AMMO (pcs)	COMPONENT SPACE (m/m)	TAPE SPACE (m/m)	BOX SIZE (m/m)	CARTON SIZE(mm)	CATRON (EA)	APPROX.GROSS WEIGHT(kg)
R-1	5,000	5.0	26	255x50x150	339x276x330	60,000	11.4
R-1	5,000	5.0	52	255x75x150	339x276x330	40,000	11.3
A-405	5,000	5.0	26	255x50x150	339x276x330	60,000	13.6
A-405	5,000	5.0	52	255x75x150	339x276x330	40,000	12.5
DO-41	5,000	5.0	52	255x75x150	339x276x330	40,000	16.1
DO-15	3,000	5.0	52	255x75x150	339x276x330	24,000	12.2
DO-201AE	1,250	10.0	52	255x75x150	339x276x330	10,000	12.2
DO-201AD	1,250	10.0	52	255x75x150	339x276x330	10,000	13.7
P-600	400	10.0	52	255x75x150	339x276x330	3,200	9.2

## Reel Packing

PACKAGE	REEL (pcs)	COMPONENT SPACE (m/m)	TAPE SPACE (m/m)	REEL DIA (EA)	CARTON SIZE (EA)	CARTON (EA)	APPROX. GROSS WEIGHT(kg)
R-1	5,000	5.0	52	330	340x340x410	25,000	9.0
A-405	5,000	5.0	52	330	340x340x410	25,000	9.1
DO-41	5,000	5.0	52	330	340x340x410	25,000	12.4
DO-15	4,000	5.0	52	330	340x340x410	20,000	11.8
DO-201AE	1,250	10.0	52	330	340x340x410	6,250	11.0
DO-201AD	1,250	10.0	52	330	340x340x410	6,250	11.6
P-600	800	10.0	52	330	340x340x410	4,000	11.4
SMA	7,500/1,800	4.0	330/178	375x360x390/390x240x420	120,000/72,000	17.5/8.3	
SMB	3,000/500	4.0	330/178	375x360x390/390x240x420	48,000/20,000	13.6/7.5	
SMC	3,000/500	12.0	330/178	375x360x390/390x240x420	42,000/15,000	16.2/7.3	
SDIP	1,500	12.0	330	375x360x390	21,000	16.3	
MDI	3000/500	8.0	330/178	375x360x390	48,000/30,000	14.4	
D <sup>2</sup> PAK	800	16.0	330	375x360x390	6,400	15.6	
TO-252	3,000	8.0	330	375x360x390	42,000	16.5	
SOD-123	3,000	4.0	178	390x240x420	150,000	10.0	
SOD-323	5,000	4.0	178	390x240x420	250,000	10.0	
SOT-23	3,000	4.0	178	390x240x420	150,000	10.0	
SOT-323	3,000	4.0	178	390x240x420	150,000	10.0	





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YOUR COMPONENT OUR PROFESSION

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