

SURFACE MOUNT UNIDIRECTIONAL TRANSIENT VOLTAGE SUPPRESSORS

STAND-OFF VOLTAGE - 18 to 36 Volts POWER DISSIPATION - 5000 WATTS

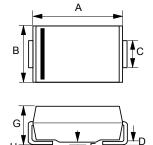
FEATURES

- For surface mounted applications
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has UL flammability classification 94V-O
- Fast response time: typically less than 1.0ns

MECHANICAL DATA

- Case : Molded plastic
- Polarity: by cathode band denotes uni-directional device none cathode band denotes bi-directional device
- Weight: 0.007 ounces, 0.21 gram

SMC



SMC						
DIM.	MIN.	MAX.				
Α	6.60	7.11				
В	5.59	6.22				
С	2.92	3.18				
D	0.15	0.31				
E	7.75	8.13				
F	0.05	0.20				
G	2.01	2.40				
Н	0.76	1.52				
All Dimensions in millimeter						

Searchdatasheet.com

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25° C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

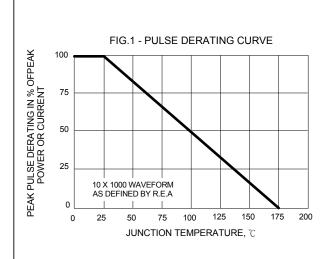
CHARACTERISTICS	SYMBOLS	VALUE	UNIT
PEAK POWER DISSIPATION AT TJ = 25° , TP = 1ms (Note 1)	Рек	5000	WATTS
Peak Forward Surge Current 8.3ms single half sine-wave @TJ=25 ℃ (Note 2)	IFSM	300	AMPS.
Steady State Power Dissipation at TL =120 $^{\circ}\!$	PM(AV)	2.0	WATTS
Operating Temperature Range	TJ	-55 to +175	°C
Storage Temperature Range	Тѕтс	-55 to +175	°C

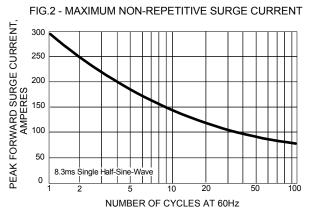
NOTES : 1. Non-repetitive current pulse, per Fig. 3 and derated above TJ= 25° C per Fig.1.

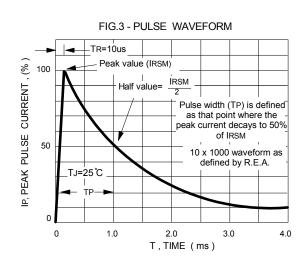
2. Only for unidirectional units.

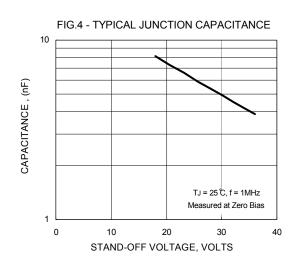
REV. 2, Nov-2010, KSIC03

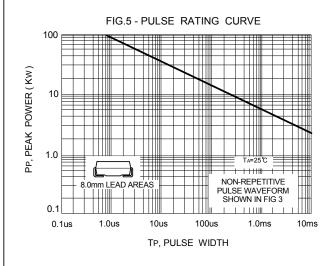


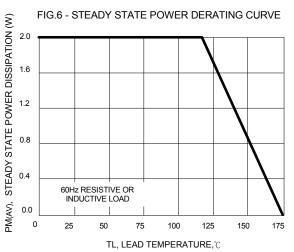














Type Number	Type Number	Dev Markin	/ice g code	Reverse Standoff Voltage		akdown Volt BV Volts @lt		Max. Reverse Leakage @VR	Max. Clamping Voltage @Ipp	Max. Peak Pulse Current
(UNI)	(BI)	(UNI)	(BI)	VR (V)	Min (V)	Max (V)	It (mA)	IR (uA)	Vc (V)	Ipp (A)
5.0SMCJ18		OES		18.0	20.0	24.4	1	5.0	32.2	155.3
5.0SMCJ18A		OET		18.0	20.0	22.1	1	5.0	29.2	171.2
5.0SMCJ20		OEU		20.0	22.2	27.1	1	5.0	35.8	139.7
5.0SMCJ20A		OEV		20.0	22.2	24.5	1	5.0	32.4	154.3
5.0SMCJ22		OEW		22.0	24.4	29.8	1	5.0	39.4	126.9
5.0SMCJ22A		OEX		22.0	24.4	27.0	1	5.0	35.5	140.8
5.0SMCJ24		OEY		24.0	26.7	32.6	1	5.0	43.0	116.3
5.0SMCJ24A		OEZ		24.0	26.7	29.5	1	5.0	38.9	128.5
5.0SMCJ26		OFD		26.0	28.9	35.3	1	5	46.6	107.3
5.0SMCJ26A		OFE		26.0	28.9	31.9	1	5	42.1	118.8
5.0SMCJ28		OFF		28.0	31.1	38.0	1	5	50.0	100.0
5.0SMCJ28A		OFG		28.0	31.1	34.4	1	5	45.4	110.1
5.0SMCJ30		OFH		30.0	33.3	40.7	1	5	53.5	93.5
5.0SMCJ30A		OFK		30.0	33.3	36.8	1	5	48.4	103.3
5.0SMCJ33		OFL		33.0	36.7	44.8	1	5	59.0	84.7
5.0SMCJ33A		OFM		33.0	36.7	40.6	1	5	53.3	93.8
5.0SMCJ36		OFN		36.0	40.0	48.9	1	5	64.3	77.8
5.0SMCJ36A		OFP		36.0	40.0	44.2	1	5	58.1	86.1

NOTES:

Suffix 'A' denotes 5% tolerance device, no suffix denotes 10% tolerance device .



Important Notice and Disclaimer

LSC reserves the right to make changes to this document and its products and specifications at any time without notice. Customers should obtain and confirm the latest product information and specifications before final design, purchase or use

LSC makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does LSC assume any liability for application assistance or customer product design. LSC does not warrant or accept any liability with products which are purchased or used for any unintended or unauthorized application.

No license is granted by implication or otherwise under any intellectual property rights of LSC.

LSC products are not authorized for use as critical components in life support devices or systems without express written approval of LSC.