

6. SILICON FIELD EFFECT TRANSISTORS - P CHANNEL

IN ORDER OF (1) DISSIPATION (2) TYPE No.

LINE No.	TYPE No.	MAX DEVICE DISS @ 25°C (W)	MAX V _{ds} & V _{gs}		ABS MAX RATINGS @ 25°C				MAX I _{ds} @ V _{ds} =0		MAX I _{gss} @ V _{gs} =0		TEST COND		PARAMETERS @ 25°C				DERATE		STRUCTURE	DWG #	L C E O D E
			Id=0	V _{ds}	V _{ds}	V _{gs}	I _{ds}	I _{gss}	V _{gs}	V _{ds}	V _{gs}	V _{ds}	COMMON SOURCE		r _{DS(on)}	MAX. Cis	IN FREE AIR	MAX TEMP					
			(V)	(V)	(V)	(A)	(A)	(A)	(V)	(V)	(V)	(V)	MIN	MAX	mhos	(Ω)	(F)	(°C)					
1	2N4120T	350m	6.0Δ	15*	30	25	20m	10m	3.0m#			15	15	700u	100u%	1.0k%	4.5p#	2.3m	175J	#	T072	DM	
2	3N1451	350m	6.0Δ	20*			20m	10m	3.0m#						1.5kt	1.0p#	2.3m	175J	#	T072	DM		
3	3N1461	350m	6.0Δ	20*			20m	10m	3.0m#						1.5kt	1.0p#	2.3m	175J	#	T072	DM		
4	E1741	350m	10	15	30	30	50m	100m%	1.0n						85%	40p*#	3.5m	125A	#	R187	DA		
5	E1751	350m	6.0	15	30	30	50m	60m%	1.0n						125%	40p*#	3.5m	125A	#	R187	DA		
6	E1761	350m	4.0	15	30	30	50m	25m%	1.0n						250%	40p*#	3.5m	125A	#	R187	DA		
7	E1771	350m	2.2	15	30	30	50m	20m%	1.0n						300%	40p*#	3.5m	125A	#	T0106	DA		
8	E270	350m	2.01	15	30	30	50m	15m%	200p	0.0	0.0	15	6.0m†	15m†		20*#	3.5m	125A	#	R187	DA		
9	E271	350m	4.51	15	30	30	50m	50m%	200p	0.0	0.0	15	6.0m†	15m†		20*#	3.5m	125A	#	R187	DA		
10	J174	350m	10	15	30*	30	50m	100m%	1.0n	0.0	0.0	10				5.5p†	3.5m	125A	#	T092	DC		
11	J175	350m	6.0	15	30*	30	50m	60m%	1.0n	0.0	0.0	10				5.5p†	3.5m	125A	#	T092	DC		
12	J176	350m	4.0	15	30*	30	50m	25m%	1.0n	0.0	0.0	10				5.5p†	3.5m	125A	#	T092	DC		
13	J177	350m	2.2	15	30*	30	50m	20m%	1.0n	0.0	0.0	10				5.5p†	3.5m	125A	#	T092	DC		
14	J270	350m	2.0	15	30*	30	50m	15m%	200p	0.0	0.0	15	6.0m†	15m†	200u%	20p*#	3.5m	125A	#	T092	DC		
15	J271	350m	4.5	15	30*	30	50m	50m%	200p	0.0	0.0	15	6.0m†	15m†	500u%	20p*#	3.5m	125A	#	T092	DC		
16	MPF9701	350m	12†	15Δ	25	30		60m%	1.0n						100	12p#	2.8m	150A	#	T092	DD		
17	MPF9711	350m	7.0†	15Δ	25	30		30m%	1.0n						250	12p#	2.8m	150A	#	T092	DD		
18	NF4382	350m	9.0†	15Δ	25	25		30m%	1.0n	0.0	0.0	15	4.0m%	15m%	500u%	20p#	3.5m	150S	#	T092	DA		
19	P1086E1	350m	10†	15	30	30	50m	10m	2.0n	0.0	0.0	10	3.0m	8.0m	100u%	75%	45p#	3.5m	125J	#	R97b	DB	
20	P1087E1	350m	5.0†	15	30	30	50m	5.0m	2.0n	0.0	0.0	10	3.0m	8.0m	100u%	150%	45p#	3.5m	125J	#	R97b	DB	
21	PF4382	350m	9.0†	15Δ	25	25		30m	1.0n	0.0	0.0	15	4.0m%	15m%	500u%	350%	20p#	3.5m	150S	#	T092	DA	
22	PN4342	350m	5.5	10	25	25	50m	12m%	10n	0.0	0.0	10	2.0m	6.0m	75u%	700%	20p	3.5m	125A	#	T092	DF	
23	PN4360	350m	10	10	20	20	50m	30m%	10n	0.0	0.0	10	2.0m	8.0m	100u%	700%	20p	3.5m	125A	#	T092	DF	
24	PN5019	350m	5.0†	15	30	30	10m	5.0m#	2.0n						150	45p#	3.5m	125A	#	T092	DC		
25	PN5033	350m	2.5	10	20	20	50m	3.5m%	10	0.0	0.0	10	1.0m	5.0m	20u%	1.3k%	25p	3.5m	125A	#	T092	DF	
26	U3041	350m	10†	15	30	30	50m	90m	500p						85%	27p#	2.8m	150S	#	T018	DA		
27	U3051	350m	6.0†	15	30	30	50m	60m	500p						110%	27p#	2.8m	150S	#	T018	DA		
28	UC061	350m	4.0†	15	30	30	50m	25m	500p						175%	27p#	2.8m	150S	#	T018	DA		
29	UC400	350m	6.0	20	30Δ			15mΔ	100p	0.0	0.0	20	3.0m†	5.0m	200u	300†	8.0p#	2.00J	PE	T072	DA		
30	2N3820	360m	8.0†	10Δ	20	20	10m	15m%	20n	0.0	0.0	10	8.0m	5.0m	200u		32p#	2.9m	150S	#	T092	DA	
31	2N5548	360m	5.0†	15*	25	25	125m	120m	50p						3.5m	6.5m	250u%		10p	2.9m	150S		
32	3N160	360m	5.0Δ	15*	25	25	125m	120m	10p	8.0	8.0	15	3.5m%	6.5m%	250u		10p#	2.4m	200S	#	T072	DM	
33	3N161	360m	5.0Δ	15*	25	25Δ	125m	120m	10m	8.0	8.0	15	3.5m%	6.5m%	250u		10p#	2.4m	200S	#	T072	DM	
34	3N1741	360m	6.0Δ	15*	30	30	20m	12m	2.5p	15	15	15	400u	200u%	1.0k	4.0p	2.4m	200S	#	T072	DM		
35	J174-181	360m	10†	15	30	30#	1.0n	50m	100m	1.0n					85	5.5p#	3.2	135J	#	T092	DF		
36	J175-181	360m	6.0†	15	30	30#	1.0n	50m	60m	1.0n					125	5.5p#	3.2	135J	#	T092	DF		
37	J176-181	360m	4.5†	15	30	30#	1.0n	50m	25m	1.0n					250	5.5p#	3.2	135J	#	T092	DF		
38	J177-181	360m	2.2†	15	30	30#	1.0n	50m	20m	1.0n					300	5.5p#	3.2	135J	#	T092	DF		
39	P1086†	360m	10†	15	30	30#	10m	50m	10m	2.0n					75	45p	3.2	135J	#	T092	DE		
40	P1086-18	360m	10†	15	30	30#	10m	50m	10m#	2.0n					75%	45p#	3.3m	150S	#	T092	DF		
41	P10871	360m	5.0†	15	30	30#	10m	50m	5.0m	2.0n					150	45p	3.2	135J	#	T092	DF		
42	P1087-18	360m	5†	15	30	30#	10m	50m	5m#	2.0n					150	45p#	3.3m	150S	#	T092	DF		
43	3N163†	375m	5.0Δ	15*	40	40	50m	30m	10p	10	10	15	2.0m	4.0m	250u	250	2.5p#	3.0m	200S	#	T072	DM	
44	3N164†	375m	5.0Δ	15*	40	40	50m	30m	10p	10	10	15	1.0m	4.0m	250u	300	2.5p#	3.0m	200S	#	T072	DM	
45	3N172†	375m	5.0Δ	15*	40	40Δ	50m	30m	10p	10	10	15	1.5m	4.0m	250u	250	3.5p#	3.0m	200S	#	T072	DM	
46	3N173†	375m	5.0Δ	15*	40	40Δ	50m	30m	10p	10	10	15	1.0m	4.0m	250u	350	3.5p#	3.0m	200S	#	T072	DM	
47	IT1700	375m	5.0Δ	15*	40	40	125	200p	10n	10	10	15	2.0m	4.0m	400†	400†	5.0p#	3.0m	150J	#	T072	EG	
48	TIS157	375m	3.1Δ	10*	40	40	50m	200p	10n	10	10	10	1.0m	4.0m	300	700†	2.1m	200S	#	T018	EP		
49	TIS158	375m	5.0Δ	10*	40	40	50m	200p	10n	10	10	10	1.0m	4.0m	500	700†	2.1m	200S	#	T018	EP		
50	UC1764	375m	5.0Δ	10*	30	30	50	3.0m#	10n	10	10	15	1.0m	4.0m	300u	300k	3.0p#	3.0m	200S	#	T072	DS	
51	2N4267†	400m	6.0Δ	15*	30	25	500m	100m	10m	1.0n					15	15	3.0m	600u%	250%	15p#	2.6m	175J	
52#	2SJ44	400m	1.5†	10	25	25	-30m	-10m	-18m	1.0n							50p*#	4.0	125J	#	T092	DC	
53#	2SJ45	400m	1.5†	10	25	25	-30m	-10m	-18m	1.0n							50p*#	4.0	125J	#	T092	DC	
54#	2SJ74	400m	2.0	10	25	25	10m	20m	1.0n	0.0	0.0	10	8m				105p*	4.0m	125J	#	T092	DC	
55	3N149†	400m	6.0Δ	20*			200m	10m	16m#						.25kt	3.0p#	2.6m	175J	#	T072	DM		
56	3N150†	400m	6.0Δ	20*			200m	10m	16m#						.25kt	3.0p#	2.6m	175J	#	T072	DM		
57	MEM517C	450m	5.0Δ	5.0*	25	25	250m	100u	50n	1.0n	10	10	12mΔ		45	30p#	4.5m	100J	#	T033	DM		
58	2N2386	500m	20Δ		20	20	10m	15mΔ	10n	0.0	0.0	10	1.0m%	300nΔ		50p#	3.3m	200S	#	T05	DA		
59	2N2386A	500m	20Δ		20	20	10m	15mΔ	10n	0.0	0.0	10	2.2m	5.0m	10uΔ	10p#	3.3m	200S	#	T05	DA		
60	2N2497	500m	20Δ		20	20	10m	3.0m	10														