

7. SILICON FIELD EFFECT TRANSISTORS - N CHANNEL

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

LINE No.	TYPE No.	1 MAX. DEVICE @ 25°C (W)	MAX. Vp & Vds (V)			ABS MAX RATINGS @ 25°C (V)			MAX. Id (A)	MAX. Ig (A)	MAX. Idss @ Vgs=0 (A)	MAX. Igss @ Vgs=0 (A)	TEST COND		COMMON SOURCE		r(DS) on (Ω)	MAX. Cis (F)	IN FREE AIR W/°C	DERATE MAX TEMP (°C)	STRUCTURE	DWG Y200 s/a TO200 Ser.	#	L C O A D E		
			Id=0 (V)	Vds (V)	Vdss (V)	BVgss (V)	Id (A)	Ig (A)					Vgs @ Idss (V)	Vgs @ Igss (V)	Vgs (V)	Vds (V)									gfs (mhos)	Yos (mhos)
			MIN	MAX	MIN	MAX	MIN	MAX					MIN	MAX												
1	2N5555T	310m	1.0†	0.0	25	25	40m	15m	1.0n	1.0n	1.0n	1.0n					15k%	5.0p#	2.8m	150J	#	T092	DD			
2	2N5638T	310m						30Δ									30%	10p#	2.8m	150S	#	T092	DD			
3	2N5639T	310m						30Δ									60%	10p#	2.8m	150S	#	T092	DD			
4	2N5640T	310m						30Δ		2.0mΔ	1.0n						100%	10p#	2.8m	150S	#	T092	DD			
5	2N5653T	310m						30Δ		4.0mΔ	1.0n						50%	10p#	2.8m	150S	#	T092	DD			
6	2N5654T	310m						30Δ		1.5mΔ	1.0n						100%	10p#	2.8m	150S	#	T092	DD			
7	2N5668	310m	4.0†	15	25		10m	5.0m	2.0n	2.0n	0.0	15	1.5m	6.5m	20u		7.0p#	2.8m	150S	#	T092	DD				
8	2N5669	310m	6.0†	15	25		10m	10m	2.0n	2.0n	0.0	15	2.0m	6.5m	50u		7.0p#	2.8m	150S	#	T092	DD				
9	2N5670	310m	8.0†	15	25		10m	10m	2.0n	2.0n	0.0	15	3.0m	7.5m	75u		7.0p#	2.8m	150S	#	T092	DD				
10	HEPFO021-RT	310m					30m														#	T092	DD			
11	MPF108	310m	8.0†	15Δ	25	25		20m	1.0n	0.0	15	3.5m	2.0m	7.5m	75u		6.5p	2.8m	135J	#	T092	DD				
12	MPF109	310m	8.0†	15Δ	25	25		24m	1.0n	0.0	15	800u	6.0m	6.0m	75u		7.0p	2.8m	135J	#	T092	DD				
13	MPF109B	310m	8.0†	15Δ	25	25		14m	1.0n	0.0	15	800u	6.0m	6.0m	75u		7.0p	2.8m	135J	#	T092	DD				
14	MPF109G	310m	6.0†	15Δ	25	25		8.0m	1.0n	0.0	15	800u	6.0m	6.0m	75u		7.0p	2.8m	135J	#	T092	DD				
15	MPF109N	310m	4.0†	15Δ	25	25		3.0m	1.0n	0.0	15	800u	6.0m	6.0m	75u		7.0p	2.8m	135J	#	T092	DD				
16	MPF109R	310m	4.0†	15Δ	25	25		1.6m	1.0n	0.0	15	800u	6.0m	6.0m	75u		7.0p	2.8m	135J	#	T092	DD				
17	MPF109V	310m	8.0†	15Δ	25	25		24m	1.0n	0.0	15	800u	6.0m	6.0m	75u		7.0p	2.8m	135J	#	T092	DD				
18	MPF109W	310m	2.0†	15Δ	25	25		1.0m	1.0n	0.0	15	800u	6.0m	6.0m	75u		7.0p	2.8m	135J	#	T092	DD				
19	MPF109Y	310m	6.0†	15Δ	25	25		5.0m	1.0n	0.0	15	800u	6.0m	6.0m	75u		7.0p	2.8m	135J	#	T092	DD				
20	PF5101	310m	1.0	15	30		10m	4.5	1.0n	0.0	15	8.0					12p	3.0m	150	#	T092	DD				
21	PF5102	310m	1.4	15	30		10m	13	1.0n	0.0	15	11					12p	3.0m	150	#	T092	DD				
22	PF5103	310m	2.2	15	30		10m	24	1.0n	0.0	15	12					12p	3.0m	150	#	T092	DD				
23	U311A	310m	6.0†	10	25Δ		10m	60m	150p		10	10m					60	5.0p	2.8m	150J	#	T092	DB			
24	VN10KE	315m	2.5†	10*	60		250m	10u	10u		15	100m	200 Δ				48p	2.5m	200J	#	VM	T052	DB			
25	PTC183	320m					20Δ	50m													#	T072	DW			
26	2N5564V	325m	3.0†	15Δ	40	40	30	30m	30m	100p	2.0p	15	7.5m	12m	45u	100	12p#	2.2m	200S	#	T071	PJ				
27	2N5565V	325m	3.0†	15Δ	40	40	30	30m	100p	2.0p	15	7.5m	12m	45u	100	12p#	2.2m	200S	#	T071	PJ					
28	2N5566V	325m	3.0†	15Δ	40	40	30	30m	100p	2.0p	15	7.5m	12m	45u	100	12p#	2.2m	200S	#	T071	PJ					
29	NP5564	325m	3.0†	15Δ	40	40		30m	100p	2.0p	15†	7.5m	12m	45u	100%	12p	2.2m	200S	#	S16	QW					
30	NP5565	325m	3.0†	15Δ	40	40		30m	100p	2.0p	15†	7.5m	12m	45u	100%	12p	2.2m	200S	#	S16	QW					
31	NP5566	325m	3.0†	15Δ	40	40		30m	100p	2.0p	15†	7.5m	12m	45u	100%	12p	2.2m	200S	#	S16	QW					
32	2N3821	330m	4.0†	15Δ	50	50		10m	2.5m	100p	0.0	15	1.5m	4.5m†	10u*		6.0p#	2.0m	200S	#	T072	DH				
33	2N3822	330m	6.0†	15Δ	50	50		10m	10m	100p	0.0	15	1.5m	6.5m†	20u*		6.0p#	2.0m	200S	#	T072	DH				
34	3N128	330m	8.0†	15Δ	20	20Δ	50m	50m	25m	50p	5.0p	15	5.0m				7.0p#	2.2m	175S	#	T072	DW				
35	3N142	330m	8.0†	20Δ	20	20Δ	50m	50m	25m	1.0n	5.0p	15	5.0m				10p#	2.2m	175S	#	T072	DW				
36	3N143	330m	8.0†	15Δ	20	20Δ	50m	50m	30m	1.0n	5.0p	15	5.0m				7.0p#	2.2m	175S	#	T072	DW				
37	3N152	330m	8.0†	15Δ	20	8.0	50m	50m	30m	1.0n	5.0p	15	5.0m	12m			7.0p#	2.2m	175S	#	T072	DW				
38	3N154	330m	8.0†	15Δ	20	8.0	50m	50m	25m	50p	5.0p	15	5.0m				7.0p#	2.2m	175S	#	T072	DW				
39	3N187	330m	4.0†	15Δ	20	20Δ	50m	1.0m	50m	7.2	15	7.0m	18m				2.2m	175S	#	T072	DX					
40	3N200	330m	3.0†	15Δ	20	6.0	50m	1.0m	12m	50m	15	10m	20m				2.2m	175S	#	T072	DX					
41#	3SK45	330m				7.0	35m		32m	20n	4.0	15	14m				4.0p	2.2m	175S	#	R217	DX				
42#	3SK51	330m	3.0†	15	20	7.0	35m		25m	20n	10p	15	17mΔ				5.0p#	2.2m	175S	#	T072	DX				
43#	3SK53	330m	1.7†	10	15†	8	33m		30m	20n	5	10	11m				5.0p#	2.6m	150S	#	T072	DX				
44#	3SK60	330m	1.7†	10	15	8	33m		20m	20n	3.0	6.0	11m				5.0p#	2.6m	150S	#	T072	DX				
45	40673	330m	4.0†	15Δ	20	1.0	50m		35m	20n	4.0	15	12mΔ				6.0p#	2.2m	175A	#	T072	DX				
46	40820	330m	3.0†	15Δ	20	9.0	50m	100u	15m	50n	4.0	15	12mΔ				8.5p#	2.2m	175A	#	T072	DX				
47	40821	330m	3.0†	15Δ	20	11	50m	100u	20m	50n	4.0	15	12mΔ				9.0 #	2.2m	175A	#	T072	DX				
48	40822	330m	4.0†	15Δ	18	9.0	50m	100u	30m	50n	4.0	15	12mΔ				9.5 #	2.2m	175A	#	T072	DX				
49	40823	330m	4.0†	15Δ	18	11	50m	100u	35m	50n	4.0	15	12mΔ				10p#	2.2m	175A	#	T072	DX				
50#	BF910	330m	5.5	15Δ	20	30Δ	50m	10m	40m	100n	0.0	15	14m				3.3m	150S	#	W97	ET					
51#	BF963	330m				6	50m	10m	40m	100n	4.0	15	25				2.5p*†	16m	150J	#	T050	DX				
52	HR3N187	330m	4.0†	15Δ	20	20	50m		50n	4.0	15	7.0m	18m				8.5p#	2.2m	175S	#	T072	DX				
53	HR3N200	330m	3.0†	15Δ	20	6.0	50m		50n	4.0	15	10m	20m				8.5p#	2.2m	175S	#	T072	DX				
54	2N3069	350m	9.5	30		50Δ	100m	10m	1.0n	0.0	30	1.0m	2.5m	80u†			15p#	2.0m	200C	#	T018	DB				
55	2N3069A	350m	9.5	30Δ		50Δ	100m	10m	1.0n	0.0	30	1.0m	2.5m	80u			15p#	2.0m	200C	#	T018	DB				
56	2N3070	350m	4.5	30		50Δ	100m	2.5m	1.0n	0.0	30	750u	2.5m	30u†			15p#	2.0m	200C	#	T018	DB				
57	2N3070A	350m	4.5	30Δ		50Δ	100m	2.5m	1.0n	0.0	30	750u	2.5m	30u			15p#	2.0m	200C	#	T018	DB				
58	2N3071	350m	2.2	30		50Δ	100m	600u	1.0n	0.0	30	500u	2.5m	7.0u†			15p#	2.0m	200C	#	T018	DB				
59	2N3684	350m	4.5	20		50	7.5m	50m	7.5m	1.0n	0.0	20	2.0m	3.0m	50u%		4.0p#	2.0m	200S	#	T072	DH				
60	2N3684A	350m	5.0†	20		50	7.5m	50m	7.5m	100p	0.0	20	2.0m	3.0m	5.0u		4.0p#	2.0m	200S	#	T072	DH				
61#	2SK149	350m	-2†	10			35m	10m	32m	-50n							7.5p#	3.5m	150J	#	Y206d	DJ				
62	3N210	350m	4.0†	15Δ	25	30Δ	30m	10m	30m	20n	4.0	15	10m	20m			7.0p	2.8m	150J	#	W13	EE				
63	3N224	350m	2.0†	15Δ	20	40Δ	50m	10m	12m	10n	4.0	15	17m	40m			2.8m		150J	#	W13	EN				
64#	3SK72	350m				8.0	30m		30m	20n							5.0p	135J	#	R243	GA					
65#	3SK79	350m				8.0	30m		30m	20n							3.0p	135J	#	R243	GA					
66#	3SK97	350m				6.0	80m	1.0m	80m	20	2.0	5.0	10	20			2.0p	125S	#	R246	GA					
67	BF256	350m	-3.0†			-30#	10m	18m	5n	0	15	4.5m	5.0mΔ				700f#		150S	#	T092	DE				
68#	BF256LA	350m	7.5†	15Δ	30	30	50m	7.0m	5.0n	0.0	15	4.5m	5.0mΔ	50u			4.5p#	3.5m								