

7. SILICON FIELD EFFECT TRANSISTORS - N CHANNEL

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

LINE No.	2	TYPE No.	1 MAX. DEVICE @ 25°C (W)	MAX. Vp & Vds (V)		ABS MAX RATINGS @ 25°C BVdss & BVgss (V)		Id (A)	Ig (A)	Idss @ Vgs=0 (A)	Icss @ Vgs=Vp & Vds=0 (A)	TEST COND Vgs (V) Vds (V)		COMMON SOURCE gfs (mhos) MIN MAX		Yos mhos	r(DS) on (Ω)	MAX. Cis (F)	IN FREE AIR W/°C	MAX TEMP (°C)	STRUC-TURE	DWG Y200 s/a TO200 Ser.	# L C	E O A D E	
				Id=0 (V)	Vds (V)	Vdss (V)	Vgss (V)					Vgs (V)	Vds (V)	MIN	MAX										
1		2N5555T	310m	1.0†	0.0	25	25	40m		15m	1.0n							15k%	5.0p#	2.8m	150S	#	T092	DD	
2		2N5638T	310m							50mΔ	1.0n							30%	10p#	2.8m	150S	#	T092	DD	
3		2N5639T	310m							25mΔ	1.0n							60%	10p#	2.8m	150S	#	T092	DD	
4		2N5640T	310m							2.0mΔ	1.0n							100%	10p#	2.8m	150S	#	T092	DD	
5		2N5653T	310m							4.0mΔ	1.0n							50%	10p#	2.8m	150S	#	T092	DD	
6		2N5654T	310m							15mΔ	1.0n							100%	10p#	2.8m	150S	#	T092	DD	
7		2N5668	310m	4.0†	15			10m		5.0m	2.0n	0.0	15	1.5m	6.5m	20u			7.0p#	2.8m	150S	#	T092	DD	
8		2N5669	310m	6.0†	15			10m		10m	2.0n	0.0	15	2.0m	6.5m	50u			7.0p#	2.8m	150S	#	T092	DD	
9		2N5670	310m	8.0†	15			10m		20m	2.0n	0.0	15	3.0m	7.5m	75u			7.0p#	2.8m	150S	#	T092	DD	
10		HEPFOO21-RT	310m																			#	T092	DD	
11		MPF108	310m	8.0†	15Δ	25	25	30m		20m	1.0n	0.0	15	3.5m	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	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	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	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	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	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	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	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	75u			7.0p	2.8m	135J	#	T092	DD	
20		PF5101	310m	1.0	15				10m	4.5	1.0n		15	8.0					12p	3.0m	150	#	T092	DD	
21		PF5102	310m	1.4	15				10m	13	1.0n		15	11					12p	3.0m	150	#	T092	DD	
22		PF5103	310m	2.2	15				10m	24	1.0n		15	12					12p	3.0m	150	#	T092	DD	
23		U311A	310m	6.0†	10				10m	60m	150p		10	10m					5.0p	2.8m	200J	#	T092	DB	DCs
24		VN10KE	315m	2.5†	10*	60		250m		10u	10u		15	100m	200 Δ				48p	2.5m	150J	#	T052	DB	DCs
25		PTC183	320m					50m		25m			15	5.0m	12m				7.0p			#	T072	DW	
26		2N5564▽	325m	3.0†	15Δ	40	40	30		30m%	100p	2.0†	15	7.5m	12m	45u	100		12p#	2.2m	200S	#	T071	PJ	
27		2N5565▽	325m	3.0†	15Δ	40	40	30		30m%	100p	2.0†	15	7.5m	12m	45u	100		12p#	2.2m	200S	#	T071	PJ	
28		2N5566▽	325m	3.0†	15Δ	40	40	30		30m%	100p	2.0†	15	7.5m	12m	45u	100		12p#	2.2m	200S	#	T071	PJ	
29		NP05564	325m	3.0†	15Δ	40	40			30m	100p	2.0†	15†	7.5m	12m	45u	100%		12p	2.2m	200S	#	S16	QW	
30		NP05565	325m	3.0†	15Δ	40	40			30m	100p	2.0†	15†	7.5m	12m	45u	100%		12p	2.2m	200S	#	S16	QW	
31		NP05566	325m	3.0†	15Δ	40	40			30m	100p	2.0†	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	20	50m		25m	50p	5.0†	15	5.0m					7.0p#	2.2m	175S	#	T072	DW	
35		3N142	330m	8.0†	20Δ	20	20	50m		25m	1.0n	5.0†	15	5.0m					10p#	2.2m	175S	#	T072	DW	
36		3N143	330m	8.0†	15Δ	20	20	50m		30m	1.0n	5.0†	15	5.0m					7.0p#	2.2m	175S	#	T072	DW	
37		3N152	330m	8.0†	15Δ	20	8.0	50m		30m	1.0n	5.0†	15	5.0m	12m%				2.2m	175S	#	T072	DW		
38		3N154	330m	8.0†	15Δ	20	8.0	50m		25m	50p	5.0†	15	5.0m					2.2m	175S	#	T072	DW		
39		3N187	330m	4.0†	15Δ	20	20	50m	1.0m	50m	50n	7.2	15	7.0m	18m				2.2m	175S	#	T072	DX		
40		3N200	330m	3.0†	15Δ	20	6.0	50m		12m	50n	15	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		
42#		3SK51	330m	3.0†	15	20	7.0	35m		25m	20n	10†	15	17mΔ					2.0fs	2.2m	175S	*	T072	DX	
43#		3SK53	330m	1.7†	10	15†	8.0	33m		30m	20n	5	10	11m					5.0p#	2.6m	150S	*	T072	DX	
44#		3SK60	330m	1.7†	10	15	8.0	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			20	6	50m	10m	40m	100n	4.0	15	25					2.5p#	16m	150J	#	T050		
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	DCs
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	DCs
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	DCs
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	DCs
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	DCs
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		
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		
65#		3SK79	350m				8.0	3																	