

7. SILICON FIELD EFFECT TRANSISTORS - N CHANNEL

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

LINE No.	TYPE No.	MAX. DEVICE DISS @ 25°C (W)	MAX. Vp & Vds (V)		ABS MAX RATINGS @ 25°C (V)				MAX. Ids @ Vgs=0 & Vds=0 (A)		MAX. Igss @ Vgs=0 & Vds=0 (A)		TEST COND				PARAMETERS @ 25°C				DERATE			STRUC-TURE	DWG # Y200 s/a TO200 Ser.	# E A D E
			Id=0	Vds	Vdss	BVdss	BVgss	Id	Ig	Idss	Igss	Vgs	Vds	Vgs	Vds	Yos	r(on)	Max. Cis.	FREE AIR W/°C	MAX TEMP (°C)						
			(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(V)	(V)	(V)	(V)	(mhos)	(Ω)	(F)	(°C)	(°C)							
1	MEM683	360m	1.5	15	25	6.0	50m	25m	50n	4.0	15	12m	18mΔ				4.5p#	2.4m	175S	*\$	∅	T072	DX			
2	MEM688	360m	4.0†	15Δ	25	6.0	50m	30m	50n	4.0	15	10m%	20mΔ				6.0p#	2.4m	175S	∅	T072	DX				
3	MEM689	360m	4.0†	15Δ	25	6.0	50m	30m	50n	4.0	15	10m%	20mΔ				6.0p#	2.4m	175S	∅	T072	DX				
4	MPP110	360m	1.0	10		20	50m	20m	100p		10	500u	7.5m									T092	DD			
5	NF5101	360m	1.0	15		30	10m	4.5	1.0n		15	8.0					12p	2.5m	150	#	T072					
6	NF5102	360m	1.4	15		30	10m	13	1.0n		15	11					12p	2.5m	150	#	T072					
7	NF5103	360m	2.2	15		30	10m	24	1.0n		15	12					12p	2.5m	150	#	T072					
8	PN3684	360m	5.0	20		50	50m	7.5m	100p	0.0	20	2.0m†	3.0m	50u%	600%	4.0p#	4.0p#				#†	T092	DE			
9	PN3685	360m	3.5	20		50	50m	3.0m	100p	0.0	20	1.5m†	2.5m	25u%	800%	4.0p#	4.0p#				#†	T092	DE			
10	PN3686	360m	2.0	20		50	50m	1.2m	100p	0.0	20	1.0m†	2.0m	10u%	1.2k%	4.0p#	4.0p#				#†	T092	DE			
11	PN3687	360m	1.2	20		50	50m	500u	100p	0.0	20	500u	1.5m	5.0u%	2.4k%	4.0p#	4.0p#				#†	T092	DE			
12	PN4091	360m	1.0	20		40	50m	30%	200p								30%	16p#			#†	T092	DE			
13	PN4091Δ†	360m	10†	20	40	40	400n	10m	30m								30	16p	3.2	135J	#∅	T092	DE			
14	PN4092	360m	7.0	20	40	40	50m	15%	200p								50%	16p#			#∅	T092	DE			
15	PN4092Δ†	360m	7.0†	20	40	40	400n	10m	15m								50	16p	3.2	135J	#∅	T092	DE			
16	PN4093	360m	5.0	20	40	40	400n	10m	8.0%	200p							80%	16p#			#∅	T092	DE			
17	PN4093Δ†	360m	5.0†	20	40	40	400n	10m	8.0m								80	16p	3.2	135J	#∅	T092	DE			
18	PN4220	360m	4.0	15		30	50m	3.0m	100p	0.0	15	1.0m	4.0m	10u%		6.0p	6.0p				#∅	T092	DE			
19	PN4221	360m	6.0	15		30	50m	6.0m	100p	0.0	15	2.0m	5.0m	20u%		6.0p	6.0p				#∅	T092	DE			
20	PN4222	360m	8.0	15		30	50m	15m	100p	0.0	15	2.5m	6.0m	40u%		6.0p	6.0p				#∅	T092	DE			
21	PN4223	360m	8.0	15		30	50m	18m	250p	0.0	15	3.0m	7.0m	200u%		6.0p	6.0p				#∅	T092	DE			
22	PN4224	360m	8.0	15		30	50m	20m	500p	0.0	15	2.0m	7.5m	200u%		6.0p	6.0p				#∅	T092	DE			
23	PN4302	360m	4.0	20		30	10m	5.0m	1.0n	0.0	20	1.0m		50u%		6.0p	6.0p				#∅	T092	DE			
24	PN4302-18	360m	-4†	20		-30#	50m	5m%	-1n	0.0	20	1.0k				6.0p#	3.3m	150S			#∅	T092	DF			
25	PN4302#	360m	4.0†	20	30	30	50m	5.0m	1.0n	0.0	20	1.0k				6.0p	3.2	135J	#∅		#∅	T092	DE			
26	PN4303	360m	6.0	20		30	10m	10m	1.0n	0.0	20	2.0m		50u%		6.0p	6.0p				#∅	T092	DD			
27	PN4303-18	360m	-6†	20		-30#	50m	10m%	-1n	0.0	20	2.0k				6.0p#	3.3m	150S			#∅	T092	DF			
28	PN4303#	360m	6.0†	20	30	30	50m	5.0m	1.0n	0.0	20	1.0k				6.0p	3.2	135J	#∅		#∅	T092	DE			
29	PN4304	360m	1.0	20		30	10m	15m	1.0n	0.0	20	1.0m		50u%		6.0p	6.0p				#∅	T092	DE			
30	PN4304-18	360m	-10†	20		-30#	50m	15m%	-1n	0.0	20	1.0k				6.0p#	3.3m	150S			#∅	T092	DF			
31	PN4304#	360m	10†	20	30	30	50m	15m	1.0n	0.0	20	1.0k				6.0p	3.2	135J	#∅		#∅	T092	DE			
32	PN4391	360m	4.0	20		40	50m	150m	100p							30%	14p				#∅	T092	DE			
33	PN4391-18†	360m	10†	20		40	200n	50m	150m	1.0n						30	14p	3.2	135J	#∅		#∅	T092	DF		
34	PN4392	360m	5.0	20		40	50m	7.5m	100p							60%	14p				#∅	T092	DE			
35	PN4392-18†	360m	5.0†	20		40	200n	50m	7.5m	1.0n						60	14p	3.2	135J	#∅		#∅	T092	DF		
36	PN4393	360m	3.0	20		40	50m	3.0m	100p							100%	14p				#∅	T092	DE			
37	PN4393-18†	360m	3.0†	20		40	200n	50m	3.0m	1.0n						100	14p	3.2	135J	#∅		#∅	T092	DF		
38	PN4416	360m	6.0	15		30	50m	15m	100p	0.0	15	4.5m	7.5m	100u%		4.0p					#∅	T092	DE			
39	PN4856	360m	1.0	15		40	50m	50m#	250p							25%	18p				#∅	T092	DE			
40	PN4857	360m	6.0	15		40	50m	100m%	250p							40%	18p				#∅	T092	DE			
41	PN4858	360m	4.0	15		40	50m	80m%	250p							60%	18p				#∅	T092	DE			
42	PN4859	360m	1.0	15		30	50m	50m#	250p							25%	18p				#∅	T092	DE			
43	PN4860	360m	6.0	15		30	50m	100m%	250p							40%	18p				#∅	T092	DE			
44	PN4861	360m	4.0	15		30	50m	80m%	250p							60%	18p				#∅	T092	DE			
45	PN5163	360m	8.0	15		25	50m	40m%	10n	0.0	15	2.0m	9.0m	200u%	500%	6.0p	12p	2.9m	150J	PE		#∅	T092	DE		
46	TIS34	360m	8.0	15		30	50m	20mΔ	5.0n	0.0	15	3.5m	6.5m	50u		25	18p#	2.4m	200S	PE		#∅	T092	DA		
47	TIS41	360m				30	50m	50mΔ	20							70	18p#	2.9m	150J	PE		#∅	T092	DA		
48	TIS42	360m				25	50m	10m%	45.0												#∅	T092	DA			
49	TIS58	360m	5.0†	15	25	25	30m	8.0m	4.0m	0.0	15	1.3m	4.0m	20u%		6.0p#	2.8m	150S	PE†		#∅	T092	DA			
50	TIS59	360m	9.0†	15	25	25	30m	25m	4.0m	0.0	15	2.3m	5.0m	50u%		6.0p#	2.8m	150S	PE†		#∅	T092	DA			
51	TIS69	360m	5.0†	15	25	25	30m	8.0m	2.0n	0.0	15	1.0m	6.0m	35u%		8.0p#	3.5m	150S	PE†		#∅	T092	DA			
52	TIS70	360m	5.0†	15	25	25	30m	8.0m	2.0n	0.0	15	1.0m	6.0m	35u%		8.0p#	3.5m	150S	PE†		#∅	T092	DA			
53	TIS73†	360m	10†	15	30Δ	30Δ	50m	50m%	2.0n							5.0%	18p#	3.5m	150S	PE		#∅	R203	DB		
54	TIS74†	360m	6.0†	15	30Δ	30Δ	50m	20m%	2.0n							04k%	18p#	3.5m	150S	PE		#∅	R203	DB		
55	TIS75†	360m	4.0†	15	30Δ	30Δ	50m	8m%	2.0n							06k%	18p#	3.5m	150S	PE		#∅	R203	DB		
56	TIS78	360m	10†	30	300Δ	300Δ	10m	10m%	2.0n	0.0	30	750u	3.0m†	100u*	1.5k%	15p#	2.0m	150J	P		#∅	T092	DB			
57	TIS79	360m	12†	30	200Δ	200Δ	10m	10m%	2.0n	0.0	30	750u	3.0m†	100u*	2.0k%	18p#	2.0m	150J	P		#∅	T092	DB			
58#	TIS88A	360m	6.0†	15Δ	30	30	50m	15m%	1.0n	0.0	15	4.5m	7.5m	50u%		4.5p#	2.8m	150J	PE∅		#∅	T092	DA			
59	TIS130	360m	4.0	15	30Δ	30Δ	50m	40m	1.0n							15p#	2.9m	150S	PE		#∅					