

# 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 <sub>ds</sub> & V <sub>gs</sub>		ABS MAX RATINGS @ 25°C		MAX. I <sub>ds</sub> @ V <sub>ds</sub> =0 & V <sub>gs</sub> =0		MAX. I <sub>gss</sub> @ V <sub>gs</sub> =0 & V <sub>ds</sub> =0		TEST COND		PARAMETERS @ 25°C				DERATE		STRUCTURE	DWG #	L C E O D E	
			V <sub>ds</sub> (V)	V <sub>gs</sub> (V)	V <sub>ds</sub> (V)	V <sub>gs</sub> (V)	I <sub>ds</sub> (A)	I <sub>g</sub> (A)	I <sub>ds</sub> (A)	I <sub>gss</sub> (A)	V <sub>gs</sub> (V)	V <sub>ds</sub> (V)	COMMON SOURCE		r <sub>DS(on)</sub> (Ω)	MAX. Cis (F)	IN FREE AIR W/C (°C)	MAX TEMP (°C)				
													gfs (mhos)	Yos (mhos)								MIN
1	2N4120T	350m	6.0Δ	15*	30	25	20m	10m	12m	1.0n	15	15	700u	100u%	1.0k%	4.5p#	2.3m	175J	#	T072	DM	
2	3N1451	350m	6.0Δ	20*	30	25	20m	10m	3.0m#	1.0n	15	15	700u	100u%	1.5k%	1.0p#	2.3m	175J	#	T072	DM	
3	3N1461	350m	6.0Δ	20*	30	25	20m	10m	3.0m#	1.0n	15	15	700u	100u%	1.5k%	1.0p#	2.3m	175J	#	T072	DM	
4	E1741	350m	10	15	30	30	50m	100m%	1.0n	0.0	10	10			85%	40p*#	3.5m	125A	#	R187	DA	
5	E1751	350m	6.0	15	30	30	50m	60m%	1.0n	0.0	10	10			125%	40p*#	3.5m	125A	#	R187	DA	
6	E1761	350m	4.0	15	30	30	50m	25m%	1.0n	0.0	10	10			250%	40p*#	3.5m	125A	#	R187	DA	
7	E1771	350m	2.2	15	30	30	50m	20m%	1.0n	0.0	10	10			300%	40p*#	3.5m	125A	#	T0106	DA	
8	E270	350m	2.01	15	30	30	50m	15m%	200p	0.0	15	15	6.0m†	15m†	20%	20#	3.5m	125A	#†	R187	DA	
9	E271	350m	4.51	15	30	30	50m	50m%	200p	0.0	15	15	6.0m†	15m†	20%	20#	3.5m	125A	#†	R187	DA	
10	J174	350m	10	15	30*	30	50m	100m%	1.0n	0.0	10	10			85%	5.5p†	3.5m	125A	#Δ	T092	DC	
11	J175	350m	6.0	15	30*	30	50m	60m%	1.0n	0.0	10	10			125%	5.5p†	3.5m	125A	#Δ	T092	DC	
12	J176	350m	4.0	15	30*	30	50m	25m%	1.0n	0.0	10	10			250%	5.5p†	3.5m	125A	#Δ	T092	DC	
13	J177	350m	2.2	15	30*	30	50m	20m%	1.0n	0.0	10	10			300%	5.5p†	3.5m	125A	#Δ	T092	DC	
14	J270	350m	2.0	15	30*	30	50m	15m%	200p	0.0	15	15	6.0m†	15m†	200u%	20p*#	3.5m	125A	#†	T092	DC	
15	J271	350m	4.5	15	30*	30	50m	50m%	200p	0.0	15	15	6.0m†	15m†	500u%	20p*#	3.5m	125A	#†	T092	DC	
16	MPF9701	350m	12†	15Δ	25	30		60m%	1.0n	0.0	15	15	4.0m%	15m%	100%	12p#	2.8m	150A	#	T092	DD	
17	MPF9711	350m	7.0†	15Δ	25	30		30m%	1.0n	0.0	15	15	4.0m%	15m%	250%	12p#	2.8m	150A	#	T092	DD	
18	NF4382	350m	9.0†	15Δ	25	25		30m%	1.0n	0.0	15	15	4.0m%	15m%	350%	20p#	3.5m	150S	#	T092	DA	
19	P1086E1	350m	10†	15	30	30	50m	10m	2.0n	0.0	10	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	10	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	15	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	10	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	10	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	0.0	10	10	1.0m	5.0m	20u%	150%	45p#	3.5m	125A	#Δ	T092	DC
25	PN5033	350m	2.5	10	20	20	50m	3.5m%	10	0.0	10	10	1.0m	5.0m	20u%	1.3k%	25p	3.5m	125A	#	T092	DF
26	U3041	350m	10†	15	30	30	50m	90m	500p	0.0	15	15			85%	27p#	2.8m	150S	#	T018	DA	
27	U3051	350m	6.0†	15	30	30	50m	60m	500p	0.0	15	15			110%	27p#	2.8m	150S	#	T018	DA	
28	U3061	350m	4.0†	15	30	30	50m	25m	500p	0.0	15	15			175%	27p#	2.8m	150S	#	T018	DA	
29	UC400	350m	6.0	20	30Δ	30		15mΔ	100p	0.0	20	20	3.0mΔ	5.0m	200u	300†	8.0p	200J	PE†	T072	DG	
30	2N3820	360m	8.0†	10Δ	20	20	10m	15m%	20n	0.0	10	10	8.0m	5.0m	200u	32p#	2.9m	150S	#	T092	DA	
31	2N5548	360m	5.0†	15*	25	25	125m	120m	50p	0.0	15	15	3.5m	6.5m	250u%	10p	2.9m	150S	#	R203	DQ	
32	3N160	360m	5.0Δ	15*	25	25	125m	120m	10p	8.0	15	15	3.5m	6.5m	250u	10p#	2.4m	200S	#	T072	DM	
33	3N161	360m	5.0Δ	15*	25	25Δ	125m	120m	10p	8.0	15	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	0.0	10	1.0m	4.0m	250u	250	2.5p#	3.0m	200S	#	T072	DM
36	J175-181	360m	6.0†	15	30	30#	1.0n	50m	60m	1.0n	0.0	10	1.0m	4.0m	250u	300	2.5p#	3.0m	200S	#	T072	DM
37	J176-181	360m	4.5†	15	30	30#	1.0n	50m	25m	1.0n	0.0	10	1.0m	4.0m	250u	400†	5.0p#	3.0m	150J	#	T072	EG
38	J177-181	360m	2.2†	15	30	30#	1.0n	50m	20m	1.0n	0.0	10	1.0m	4.0m	300	700†	2.1m	200S	#	T018	EP	
39	P10861	360m	10†	15	30	30#	10m	50m	10m	2.0n	0.0	10	1.0m	4.0m	300u	300k	3.0p#	3.0m	200S	#	T072	DS
40	P1086-18	360m	10†	15	30	30#	10m	50m	10m	2.0n	0.0	10	1.0m	4.0m	300u	300k	3.0p#	3.0m	200S	#	T072	DS
41	P10871	360m	5.0†	15	30	30#	10m	50m	5.0m	2.0n	0.0	10	1.0m	4.0m	250u	250	2.5p#	3.0m	200S	#	T072	DM
42	P1087-18	360m	5†	15	30	30#	10m	50m	5.0m	2.0n	0.0	10	1.0m	4.0m	250u	250	2.5p#	3.0m	200S	#	T072	DM
43	3N1631	375m	5.0Δ	15*	40	40	50m	30m	10p	10	10	10	2.0m	4.0m	250u	250	2.5p#	3.0m	200S	#	T072	DM
44	3N1641	375m	5.0Δ	15*	40	40	50m	30m	10p	10	10	10	1.0m	4.0m	250u	300	2.5p#	3.0m	200S	#	T072	DM
45	3N1721	375m	5.0Δ	15*	40	40Δ	50m	30m	10p	10	10	10	1.5m	4.0m	250u	250	3.5p#	3.0m	200S	#	T072	DM
46	3N1731	375m	5.0Δ	15*	40	40Δ	50m	30m	10p	10	10	10	1.0m	4.0m	250u	350	3.5p#	3.0m	200S	#	T072	DM
47	IT1700	375m	5.0Δ	15*	40	40	125m	200p	10n	10	10	10	2.0m	4.0m	250u	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	300	700†	2.1m	200S	#	T018	EP	
50	UC1764	375m	5.0Δ	10*	40	40	50m	3.0m#	10n	10	10	10	1.0m	4.0m	300u	300k	3.0p#	3.0m	200S	#	T072	DS
51	2N42671	400m	6.0Δ	15*	30	25	500m	100m	1.0n	15	15	15	3.0m	600u%	250%	15p#	2.6m	175J	#	T072	DS	
52#	2SJ44	400m	1.5†	10	25	25	-30m	-10m	-18m	1.0n	0.0	10	8m			50p*#	4.0	125J	#	T092	DC	
53#	2SJ45	400m	1.5†	10	25	25	-30m	-10m	-18m	1.0n	0.0	10	8m			50p*#	4.0	125J	#	T092	DC	
54#	2SJ74	400m	2.0	10	25	25	10m	20m	1.0n	0.0	10	10	8m			105p*	4.0m	125J	#	T092	DC	
55	3N1491	400m	6.0Δ	20*	30	30	200m	10m	16m#	1.0n	10	10	12mΔ			.25k†	3.0p#	2.6m	175J	#	T072	DM
56	3N1501	400m	6.0Δ	20*	30	30	200m	10m	16m#	1.0n	10	10	12mΔ			.25k†	3.0p#	2.6m	175J	#	T072	DM
57	MEM517C	450m	5.0Δ	5.0*	25	25	250m	100u	50n	1.0n	10	10				45	30p#	4.5m	100J	#	T033	DM
58	2N2386	500m			20Δ	20	10m	15mΔ	10n	0.0	10	10	1.0m%	5.0m	300nΔ	50p#	3.3m	200S	#	T05	DA	
59	2N2386A	500m			20Δ	20	10m	15mΔ	10n	0.0	10	10	2.2m	2.0m	200%	10p#	3.3m	200S	#	T05	DA	
60	2N2497	500m			20Δ	20	10m	3.0m	10n	1.0	10	10	1.0m%	2.0m	20u%	32p#	3.3m	200S	#	T05	DA	
61	JAN2N2497	500m	5.0†	15	20	20	10m	3.0m	10n	1.0	10	10	1.0m	2.0m	20u%	1.0k	32p#	3.3m	200S	#	T05	DA
62	2N2498	500m			20Δ	20	10m	6.0m	10n	2.0	10	10	1.5m%	3.0m%	40u%	800%	32p#	3.3m	200S	#	T05	DA
63	JAN2N2498	500m	6.0†	15	20	20	10m	6.0m	10n	1.0	10	10	1.5m%	3.0m%	40u%	800%	32p#	3.3m	200S	#	T05	DA
64	2N2499	500m			20Δ	20	10m	15m	10n	5.0	10	10	2.0m%	4.0m%	100u%	600%	32p#	3.3m	200S	#	T05	DA
65	JAN2N2499	500m	8.0†	15	20	20	10m	15m														