

IN TYPE No. CROSS-INDEX & TECHNICAL SECTIONS

- ## SYMBOLS & CODES COMMON TO MORE THAN ONE TECHNICAL SECTION

A	- Alloy	Except 6 & 7)
AN	- Annular	
D	- Diffused or drift	
DM	- Diffused mesa	
E	- Epitaxial	
EA	- Epitaxial annular	
EM	- Epitaxial mesa	
F	- Fused	
G	- Grown	
GA	- Gallium Arsenide	
H	- Hometaxial	
MA	- Mico alloy	
MD	- Micro alloy diffused	
ME	- Mesa	
MOS	- Metal oxide silicon	
PA	- Precision alloy	
PC	- Point contact	
PD	- Precision alloy diffused	
PE	- Planar epitaxial	
PL	- Planar	
S	- Surface barrier	
*	- Matched pair	
△	- Switching, other uses	
▣	- Chopper, other uses	
⊗	- Noise figure 8db or below	
†	- Plastic package	
ℳ	- Overlay	

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5. SILICON NPN - LOW POWER TRANSISTORS

IN ORDER OF (1) MAX COLLECTOR DISSIPATION
(2) fab & (3) TYPE No.

LINE No.	3	TYPE No.	1 MAX. COLL. DISS. @25°C (W)	2 fab (Hz)	DERATE IN FREE AIR W/C	T M E A M X P	ABS MAX RATINGS @25°C				MAX. lcho @MAX Vcb (A)	TYPICAL 'h' PARAMETERS										Cob (F)	STRUC -TURE	DWG Y200 s/a TO200 Ser.	# C O A D E
							BVcbo (V)	BVceo (V)	BVebo (V)	Ic (A)		BIAS		COMMON EMITTER											
												Vcb (V)	le (A)	hfe	hoe (mhos)	hie (Ω)	hre X.0001								
1#		F1026	300m	70MΔ	2.5m	\$S	50	30	6.0	100m	100u	150	6.0m	45 Δ	70u	700			22p				PL	T046	
2#		SDD821	300m	70MΔ	2.5m	\$S	50	30	6.0	100m	100u	150	6.0m	30 Δ	100u	700			20p				PL	T046	
3		A301	300m	80MΔ	2.0m	\$J	40		4.0	40m	50u	100	3.0m	200 Δ	100u	700			3p				PL	T018	
4		A310	300m	80MΔ	2.0m	\$J	135		7.0	1.0	50u	100	5.0m	50 Δ					4p				PL	T05	
5#		BC411	300m	80MΔ	3.0m	\$J	85		55	5.0	50u	100	5.0m	50 Δ					15p				PE	T0105	
6		CS7181	300m	80MΔ		\$J	60		40	5.0	1.0u	100	150m	40 Δ					35p				PE	R97a	
7		CS720A	300m	80MΔ		\$J	120		80	7.0	10n	100	150m	40 Δ					15p				PL	R97a	
8		2N2297/51	300m	96MΔ	1.7m	\$J	80		35	7.0	0.1u	100	150m	40 Δ					1.2p				PE	T051	
9		CS718A	300m	96MΔ		\$J	75		50	7.0	10n	100	150m	40 Δ					25p				PL	R97a	
10		2N7281	300m	100MΔ	4.0m	\$S	15		15	3.0	100m	5.0u	6.00	10m	20 Δ				12p				PE	T018	
11		2N7291	300m	100MΔ	4.0m	\$S	30		30	3.0	100m	5.0u	6.00	10m	20 Δ				12p				PE	T018	
12		2N1958/181	300m	100MΔ		\$J	60		40	5.0	500m	5.0u	100	150m	40 Δ				18p				PE	T018	
13		2N1959/181	300m	100MΔ		\$J	60		40	5.0	500m	5.0u	100	150m	80 Δ				18p				PE	T018	
14		2N1959A/511	300m	100MΔ	1.7m	\$J	60		40	5.0	1	20u	100	1	25 Δ				14p				PE	T051	
15		2N2571	300m	100MΔ	2.0m	\$J	20		15	15	10n	100	100m	50 Δ					10p				PE	T018	
16		2N2572	300m	100MΔ	2.0m	\$J	20		15	15	10n	100	100m	50 Δ					10p				PE	T018	
17		C13704	300m	100M	2.4m	J	50		30	5.0	800m	100n	2.00	50m	100 Δ				12p				DPL	R127a	
18		C13705	300m	100M	2.4m	J	50		30	5.0	800m	100n	2.00	50m	150 Δ				12p				DPL	R127a	
19		C13706	300m	100M	2.4m	J	50		30	5.0	800m	100n	2.00	50m	600 Δ				12p				DPL	R127a	
20		G13704	300m	100MΔ	3.0m	J	50		30	5.0	10u	2.00	50m	300 Δ					12p				PE	R97d	
21		G13705	300m	100MΔ	3.0m	J	50		30	5.0	10u	2.00	50m	150 Δ					12p				PE	R97d	
22		G13706	300m	100MΔ	3.0m	J	40		20	5.0	10u	2.00	50m	300 Δ					12p				PE	R97d	
23		QD200-71	300m	100MΔ		\$J	30		30	5.0	20m	100p	2.00	1.0u	2.0k Δ				3.0p				DE	L2d	
24		QD200-78	300m	100MΔ		\$J	30		30	5.0	20m	100p	2.00	1.0u	2.0k Δ				3.0p				DE	L2p	
25		QD201-71	300m	100MΔ		\$J	80		80	5.0	20m	100p	5.00	1.0u	1.5k Δ				3.0p				DE	L2d	
26		QD201-78	300m	100MΔ		\$J	80		80	5.0	20m	100p	5.00	1.0u	1.5k Δ				3.0p				DE	L2p	
27		QD203-71	300m	100MΔ		\$J	20		20	5.0	20m	100p	5.00	1.0u	1.0k Δ				3.0p				DE	L2d	
28		QD203-78	300m	100MΔ		\$J	20		20	5.0	20m	100p	5.00	1.0u	1.0k Δ				3.0p				DE	L2p	
29		QD204-71	300m	100MΔ		\$J	35		35	5.0	20m	100p	5.00	1.0u	800 Δ				3.0p				DE	L2d	
30		QD204-78	300m	100MΔ		\$J	35		35	5.0	20m	100p	5.00	1.0u	800 Δ				3.0p				DE	L2p	
31		TE3704	300m	100MΔ	2.4m	\$J	50		30	5.0	800m	100n	2.00	50m	100 Δ				12p				DPL	T0106	
32		TE3705	300m	100MΔ	2.4m	\$J	50		30	5.0	800m	100n	2.00	50m	150 Δ				12p				DPL	R97a	
33		TE3706	300m	100MΔ	2.4m	\$J	50		30	5.0	800m	100n	2.00	50m	600 Δ				12p				DPL	R97a	
34		TE5449	300m	100MΔ	2.3m	\$J	50		30	5.0	800m	100n	2.00	50	100 Δ				12p				PE	T0106	
35		TE5450	300m	100MΔ	2.3m	\$J	50		30	5.0	800m	100n	2.00	50	50 Δ				12p				PE	T0106	
36		TE5451	300m	100MΔ	2.3m	\$J	40		20	5.0	800m	100n	2.00	50	50 Δ				12p				PE	T0106	
37		TI411	300m	100MΔ	3.3m	J	50		30	5.0	800m	500n	2.00	50m	180 Δ				12p				PE	X20	
38		TI4851	300m	100MΔ	2.4m	\$J	20		14	30	50m	100u	100	10m	38 Δ				6p				ME	T018	
39		CS956	300m	110MΔ		\$J	75		50	7.0	100u	100	150m	100 Δ					25p				PL	R97a	
40#		ZT131	300m	110MΔ	2.4m	\$A	75		55	3.0	50m	10u	5.00	3.0m	20 Δ								PL	T018	
41#		ZT132	300m	110MΔ	2.4m	\$A	100		75	3.0	50m	10u	5.00	3.0m	20 Δ								PL	T018	
42#		2SC366	300m	120MΔ	3.0m	\$J	50		5.0	400m	500u	100	10m	60					20p				PL	R67a	
43#		2SC367	300m	120MΔ	3.0m	\$J	40		20	5.0	400m	500u	100	10m	70				10p				PE	R67a	
44		D11C702	300m	130MΔ	1.7m	\$A	40		40	5.0	15u	100	150m	100 Δ									PE	T050	
45		D11C704	300m	130MΔ	2.0m	\$A	50		80	5.0	25u	100	150m	40 Δ									PE	T050	
46		D11C710	300m	130MΔ	1.7m	\$A	80		7.0	100m	15u	100	150m	40 Δ									PE	T050	
47#		2SC402B	300m	140MΔ		\$J	50		25	4.0	100m	200u	3.00	1.0m	32 Δ				3.5p				ME	u37	
48#		2SC403B	300m	140MΔ		\$J	50		25	4.0	100m	200u	3.00	1.0m	20 Δ				2.7p				ME	u37	
49		2N4099*	300m	150MΔ	1.6m	\$S	55		55	7.0	10m	100n	5.00	1.0m	175 Δ				800f				PE	L2m	
50#		BC385A	300m	150MΔ	2.4m	\$S	45		45	6.0	100m	15n	5.00	2.0m	125 Δ				3.0p				PE	X55c	
51#		BC385B	300m	150MΔ	2.4m	\$S	45		45	6.0	100m	15n	5.00	2.0m	240 Δ				3.0p				PE	X55c	
52#		BC386A	300m	150MΔ	2.4m	\$S	30		20	6.0	100m	15n	5.00	2.0m	125 Δ				3.0p				PE	X55c	
53#		BC386B	300m	150MΔ	2.4m	\$S	30		20	6.0	100m	15n	5.00	2.0m	240 Δ				3.0p				PE	X55c	
54#		BFS30	300m	150MΔ	2.4m	\$S	45		45	5.0	200m	20n	150	100u	60 Δ				5.0p				PE	u34	
55#		BFS31	300m	150MΔ	2.4m	\$S	45		30	5.0	200m	20n	150	100u	80 Δ				5.0p				PE	u34	
56#		SA2719*	300m	150MΔ	2.0m	\$J	60		50	6.0	2n	5.00	0.1m	75 Δ		</									