

5. SILICON NPN - LOW POWER TRANSISTORS

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

LINE No.	TYPE No.	1 MAX. COLL. DISS. @ 25°C (W)	2 fcb (Hz)	DERATE IN AIR W/°C	T M A M P	ABS MAX RATINGS @ 25°C			MAX. I _{cb} @ MAX V _{cb}	TYPICAL h _{FE} PARAMETERS			COMMON EMITTER			Cob (F)	STRUC-TURE	DWG s/a TO200 Ser.	# L O A D E	
						V _{cb}	V _{ceo}	V _{bebo}		V _{cb}	I _e	h _{FE}	h _{oe} (mhos)	h _{ie} (Ω)	h _{re} X.0001					
1#	BF291B	360m	380M	2.0m	\$J	50	40	5.0	100m	10n	100	100	100	100	100	100	DPE	TO18	A	
2#	BF293A	360m	380M	2.0m	\$J	50	45	5.0	100m	10u	100	100	100	100	100	100	PL	TO18	A	
3#	BF293D	360m	380M	2.0m	\$J	50	45	5.0	100m	10u	100	100	100	100	100	100	PL	TO18	A	
4	2N9211	360m	400M	63u	\$J	50	20	5.0	200m	10u	100	100	100	100	100	4.0	ME	TO18	A	
5	2N922	360m	400M	63u	\$J	50	20	5.0	200m	10u	100	100	100	100	100	4.0	ME	TO18	A	
6	2N30111	360m	400M	2.0m	\$J	30	12	5.0	200m	40u	350	100	30	100	100	3.0	PE	TO18	A	
7	2N44191	360m	400M	2.9m	\$S	30	12	4.5	200m	40u	1.0	100	30	100	100	4.0	PE	TO18	A	
8#	2SC671	360m	400M	2.0m	\$J	40	40	5.0	200m	10u	1.0	100	80	100	100	3.5p	PE	TO18	A	
9#	2SC681	360m	400M	2.0m	\$J	40	15	5.0	200m	10u	1.0	100	100	100	100	3.5p	PE	TO18	A	
10#	BF225	360m	400M	2.9m	\$S	50	40	4.0	25m	10u	100	4.0	75	100	100	3.5p	PE	R203	C	
11#	BF596	360m	400M	2.4m	\$J	40	30	4.0	25m	10u	5.0	15	10	100	100	3.5p	PE	R196	A	
12#	BFW681	360m	400M	2.0m	\$J	50	40	5.0	0.1u	5.0	5.0	50	50	125u	2k	5	3.0p	DPE	TO18	A
13#	BSS261	360m	400M	2.0m	\$J	50	40	5.0	1.0	100m	40	40	40	40	40	40	4.8p	PE	TO18	A
14#	BSV891	360m	400M	2.0m	\$	50	40	5.0	1.0	100m	40	40	40	40	40	40	4.0p	PE	TO18	A
15#	BSV901	360m	400M	2.0m	\$	50	40	5.0	1.0	100m	40	40	40	40	40	40	4.0p	PE	TO18	A
16#	BSV911	360m	400M	2.0m	\$	50	40	5.0	1.0	100m	40	40	40	40	40	40	4.0p	PE	TO18	A
17#	BSX881	360m	400M	2.0m	\$J	40	15	5.0	25n	1.0	100	45	10	100	100	4.0p	DPE	TO18	A	
18	ST6130	360m	400M	2.0m	\$J	25	10	4.0	50n	1.0	100	30	10	100	100	4.0p	PE	TO18	A	
19	2N743A1	360m	500M	2.0m	\$J	40	15	5.0	1.0	350	100	20	10	100	100	3.0p	PE	TO18	A	
20	2N744A1	360m	500M	2.0m	\$J	40	15	5.0	1.0	350	100	40	10	100	100	3.0p	PE	TO18	A	
21	2N915A	360m	500M	2.1m	\$J	70	50	5.0	2n	5.0	5.0	50	50	125u	2k	3.0p	PE	TO18	A	
22	2N916B	360m	500M	2.1m	\$J	60	30	5.0	2n	5.0	5.0	50	50	125u	2k	3.0p	PE	TO18	A	
23	2N23691	360m	500M	2.0m	\$J	40	15	4.5	500m	400n	1.0	100	40	100	100	4.0p	PE	TO18	A	
24	2N2369A1	360m	500M	2.0m	\$J	40	15	4.5	200m	40u	350	100	40	100	100	4.0p	PE	TO18	A	
25	JAN2N2369A1	360m	500M	2.0m	\$J	40	15	4.5	30u	1.0	100	40	10	100	100	4.0p	PE	TO18	A	
26	2N27101	360m	500M	2.0m	\$J	40	20	5.0	500m	0.3u	1.0	100	40	100	100	4.0p	PE	TO18	A	
27	2N32271	360m	500M	2.0m	\$J	40	20	6.0	200m	20u	1.0	100	100	100	100	4.0p	PE	TO18	A	
28	2N41371	360m	500M	2.0m	\$J	40	40	5.0	200m	30u	350	100	40	100	100	4.0p	DPE	TO18	A	
29	2N44181	360m	500M	2.9m	\$S	40	15	4.5	200m	40u	1.0	100	40	100	100	4.0p	DPE	TO18	A	
30	2N52721	360m	500M	2.1m	\$S	40	20	5.0	200m	20u	1.0	100	100	100	100	4.0p	PE	TO18	A	
31#	2SC7641	360m	500M	2.0m	\$J	30	15	4.0	125m	100n	1.0	100	20	100	100	4.0p	PE	TO18	A	
32#	BFX43	360m	500M	2.0m	\$J	30	15	4.0	125m	100n	1.0	100	20	100	100	4.0p	PE	TO18	A	
33#	BFX44	360m	500M	2.0m	\$J	40	15	4.0	125m	100n	1.0	100	40	100	100	4.0p	PE	TO18	A	
34#	BSV921	360m	500M	2.0m	\$	50	40	5.0	1.0	100m	40	40	40	40	40	4.0p	PE	TO18	A	
35	LDS2001	360m	500M	2.9m	\$J	30	15	4.5	500n	1.0	100	20	10	100	100	4.0p	PE	TO122	P	
36	LDS2011	360m	500M	2.9m	\$J	30	15	4.5	500n	1.0	100	40	10	100	100	4.0p	PE	TO122	P	
37	MPS23691	360m	500M	2.8m	\$J	40	15	4.5	500m	40u	1.0	100	40	100	100	4.0p	AN	TO92	A	
38	MPS2369A	360m	500M	2.8m	\$J	40	15	4.5	500m	40u	1.0	100	120	100	100	4.0p	AN	TO92	A	
39#	BSX261	360m	550M	2.0m	\$J	40	15	4.0	500n	400	30m	60	10	100	100	3.3p	DPE	TO18	A	
40#	BSX921	360m	550M	2.0m	\$J	40	15	4.0	500n	400	30m	60	10	100	100	3.3p	DPE	TO18	A	
41	2N38621	360m	600M	2.0m	\$A	50	20	4.5	200m	0.5u	1.0	100	50	100	100	4.0p	PE	TO18	A	
42	2N5081	360m	600M	2.1m	\$S	70	50	5.0	100m	0.1u	5.0	100	100	100	100	3.0p	PE	TO18	A	
43	2N5082	360m	600M	2.1m	\$S	60	30	5.0	100m	0.1u	5.0	100	100	100	100	3.0p	PE	TO18	A	
44	2N5399S	360m	600M	2.4m	\$S	25	15	2.0	100m	0.1u	1.0	100	30	100	100	3.0p	PE	TO18	A	
45#	BSX391	360m	600M	2.0m	\$J	45	20	5.0	100m	100n	4.0	30m	60	100	100	4.0p	DPE	TO18	A	
46#	BSX87A1	360m	600M	2.0m	\$J	40	15	5.0	100m	30u	1.0	100	55	100	100	2.5p	DPE	TO18	A	
47	LDS2051	360m	600M	2.9m	\$J	15	6.0	4.0	100m	500n	1.0	100	20	100	100	3.0p	PE	TO122	P	
48#	BSX281	360m	650M	2.0m	\$J	30	12	4.5	100m	40u	1.0	100m	50	100	100	2.3p	DPE	TO18	A	
49#	BSX931	360m	650M	2.0m	\$J	30	12	4.5	100m	40u	1.0	100m	50	100	100	2.3p	DPE	TO18	A	
50	2N48731	360m	700M	2.0m	\$J	40	15	4.5	200m	40u	1.0	100	150	100	100	4.0p	PE	TO18	A	
51#	2SC6391	360m	750M	2.0m	\$J	40	40	5.0	200m	400n	1.0	100	80	100	100	1.5p	PE	TO18	A	
52	2N5292S	360m	800M	2.1m	\$J	12	12	4.5	100m	1n	1.0	100m	30	100	100	4.5p	PE	TO18	A	
53	2N5107S	360m	900M	2.0m	\$J	60	30	5.0	500m	0.1u	100	150m	100	100	100	8.0p	PE	TO18	A	
54	LDA406	360m	900M	2.9m	\$J	30	15	3.0	25m	10n	100	30	20	100	100	3.0p	PE	TO122	P	
55	LDA412	360m	1.0G	2.9m	\$J	20	10	2.5	50m	50n	5.0	25m	25	100	100	1.5p	PE	TO122	P	
56	LDA420	360m	1.0G	2.9m	\$J	40	25	2.0	150m	50n	5.0	50m	25	100	100	4.0p	PE	TO122	P	
57	LDA407	360m	1.5G	2.9m	\$J	30	15	2.5	25m	10n	5.0	15m	25	100	100	1.0p	PE	TO122	P	
58	LDA496	360m	5.0G	2.9m	\$J	20	15	2.0	75m	100n	1.0	50m	25	100	100	800fs	E	TO122	E	
59#	BC377	375m	100M	2.5m	\$J	50	45	6.0	1.0	1.0	1.0	100m	75	100	100	12p	PE	TO18	A	
60#	BC378	375m	100M	2.5m	\$J	30	25	6.0	1.0	1.0	1.0	100m	75	100	100	12p	PE	TO18	A	
61#	BC377	375m	200M	2.5m	\$J	50	45	6.0	1.0	15n	1.0	100m	75	100	100	12p	PE	TO18	A	
62#	BC378	375m	200M	2.5m	\$J	30	25	6.0	1.0	15n	1.0	100m	75	100	100	12p	PE	TO18	A	
63#	2SC918	375m	400M	2.5m	\$J	20	20	3.0	30m	200n	100	40m	20	100	100	450ft	PE	DM	TO104	A
64	2N622	386m	300K	2.8m	\$J	50	30	20	50m	100n	1.5	500u	25	100	100	70p	FA	TO5	A	
65#	BCY59A	390m	150M	2.2m	\$J	45	45	7.0	200m	0.1u	5.0	200	200	100	100	5.0	PE	TO18	A	
66#	BCY59B	390m	150M	2.2m	\$J	45	45	7.0	200m	0.1u	5.0	200	260	100	100	5.0	PE	TO18	A	
67#	BCY59C	390m	150M	2.2m	\$J	45	45	7.0	200m	0.1u	5.0	200	330	100	100	5.0	PE	TO18	A	
68#	BCY59D	390m	150M	2.2m	\$J	45	45	7.0	200m	0.1u	5.0	200	520	100	100	5.0	PE	TO18	A	
69	2N4074	400m	400M	3.3m	\$S	40	40	8.0	300m	10n	120	100	400	100	100	400	PE	R179d	A	
70	2N5418	400m	4.0m	\$S	25	25	5.0	500m	100n	100	2.0	100	25	100	100	6.0p	PE	TO98	B	
71	2N5419	400m	4.0m	\$S	25	25	5.0	500m	100n	100	2.0	100	70	100	100	6.0p	PE	TO98	B	
72	2N5420	400m	4.0m	\$S	25	25	5.0	500m	100n	100	2.0	150	150	100	100	6.0p	PE	TO98	B	
73	2N5998	400m	4.0m	\$S	35	25	5.0	500m	30n	2.0	100	150	100	100	100	6.0p	PE	TO98	B	
74	2N6008	400																		