

5. SILICON NPN - LOW POWER TRANSISTORS

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

LINE No.	TYPE No.	1 MAX. COLL. DISS. @ 25°C (W)	2 DERATE IN FREE AIR W/°C (Hz)	3 ABS MAX RATINGS @ 25°C				MAX. Icbo @ MAX Vcb (A)	TYPICAL h _{FE} PARAMETERS			Cob (F)	STRUC-TURE	DWG # Y200 s/a TO200 Ser.	L E O A D E			
				V _{Be} (V)	V _{Ce} (V)	V _{Be} (V)	I _c (A)		BIAS							COMMON EMITTER		
									V _{cb} (V)	I _e (A)	h _{fe}					h _{oe} (mhos)	h _{ie} (Ω)	h _{re} X.0001
1	2N3933	200m	750MΔ	1.1m	SS	40	30	2.5	10n	8.0	2.0m	80 Δ	PE	R176b	G			
2	2N3832T	200m	800MΔ	1.1m	SS	15	6.0	4.0	10n	1.50	500u	20 TΔ	PE	T072	G			
3	2SC385A	200m	800MΔ	2.0m	J	30	15	3.0	500n	3.0	8.0m	20 TΔ*	PE	R67a	B			
4	2SC397	200m	800MΔ	1.3m	SJ	20	12	2.0	50m	50u	10	8.0m	PE	T072				
5	2SC602	200m	800MΔ	2.0m	SJ	30	20	3.0	30m	1.0u	6.0	5.0m	PE	T072				
6	BF152	200m	800MΔ	2.0m	J	30	12	2.0	10u	10	3.0m	50 T#	DPE	R97a				
7	BF158	200m	800MΔ	2.0m	J	30	12	2.0	10u	10	4.0m	50 T#	DPE	R97a				
8	BF159	200m	800MΔ	2.0m	J	40	20	2.0	10u	10	4.0m	50 T#	DPE	R97a				
9	MRF502	200m	800MΔ	1.1m	SS	35	15	3.5	50m	20n	6.0	1.0m	DPE	T072	G			
10	SCA3238	200m	800MΔ	1.1m	SJ	45		4.5	50m	20n	6.0	1.0m	PL	T072	G			
11	SCA3239	200m	800MΔ	1.1m	SJ	45		4.5	50m	20n	6.0	1.0m	PL	T072	G			
12	SCA3240	200m	800MΔ	1.1m	SJ	45		4.5	50m	20n	6.0	1.0m	PL	T072	G			
13	2N3600	200m	850MΔ	1.1m	SS	30	15	3.0	0.1u	6.0	2.0m	200 TΔ	PE	T072	A			
14	2N5179	200m	900MΔ	1.1m	SS	20	12	2.5	50m	20n	6.0	2.0m	PE	T072	G			
15	2SC251	200m	900MΔ	1.6m	SJ	30	15	3.0	30m	1.0u	6.0	5.0m	PE	T072	G			
16	2SC251A	200m	900MΔ	1.6m	SJ	30	15	3.0	30m	1.0u	6.0	5.0m	PE	T072	G			
17	2SC252	200m	900MΔ	1.6m	SJ	30	15	3.0	30m	1.0u	6.0	5.0m	PE	T072	G			
18	2SC253	200m	900MΔ	1.6m	SJ	30	15	3.0	30m	1.0u	6.0	5.0m	PE	T072	G			
19	2SC387	200m	900MΔ	2.0m	J	20	12	2.0	50m	500n	10	8.0m	PE	R67a	B			
20	2SC2464	200m	900MΔ	2.0m	J	30	25	4.0	20m	10	3.0m	30 TΔ	E	R242	GA			
21	2SC2467	200m	900MΔ	2.0m	J	30	20	4.0	50m	500n	10	10m	E	R242	GA			
22	2SC2468	200m	900MΔ	2.0m	J	30	20	4.0	50m	10	10m	40 TΔ	PE	R242	AJ			
23	BFX73	200m	900MΔ	1.1m	SJ	30	15	3.0	50m	10n	1.0	3.0	DPE	T072	A			
24	C5T4997	200m	900MΔ	1.6m	SS	30	18	4.0	100n	10	2.0m	30 TΔ	PE	X156g	A			
25	ME3002	200m	900MΔ	1.6m	SJ	30	12	3.0	100m	20n	1.0	8.0m	PE	T092	A			
26	MMBR5179	200m	900MΔ	2.0m	SS	20	12	2.5	20n	1.0	3.0m	25 TΔ	PE	X156d	A			
27	SCA3022	200m	900MΔ	1.1m	SJ	35	25	2.0	50m	20n	6.0	1.0m	PE	T072	G			
28	SE3001	200m	900MΔ	2.0m	J	30	12	2.0	50u	10	8.0m	50 T#	DPLT	T0108				
29	SE3002	200m	900MΔ	2.0m	J	30	12	2.0	50u	10	8.0m	50 T#	DPLT	T0106				
30	ST2110	200m	950MΔ	1.1m	SJ	25	12	2.0	500n	5.0	8.0m	20 TΔ	PE	T018	A			
31	2N3681	200m	1.0GΔ	1.1m	SJ	10	7.0	2.0	25m	0.1u	6.0	2.0m	PE	T072	G			
32	2N3683	200m	1.0GΔ	1.1m	SS	30	12	2.0	30m	50n	10	8.0m	PE	T072	G			
33	2N6389	200m	1.0GΔ	1.1m	SS	20	12	2.5	40m	20n	1.0	3.0m	PE	T072	G			
34	2SC387AG	200m	1.0GΔ	2.0m	J	30	15	3.0	50m	500n	3.0	8.0m	PE	R67a	B			
35	2SC567	200m	1.0GΔ	1.1m	SJ	30	15	3.0	20m	10u	6.0	2.0m	PE	T072	G			
36	2SC611	200m	1.0GΔ	1.6m	∅	20	15	3.0	20m	1.0u	10	2.0m	PE	T072	G			
37	40294	200m	1.0GΔ	1.1m	SJ	30	15	2.5	40m	0.1u	1.0	3.0m	DPE	T072	G			
38	40517	200m	1.0GΔ	1.1m	SJ	30	15	2.5	40m	0.1u	6.0	2.0m	PE	T072	G			
39	40518	200m	1.0GΔ	1.1m	SJ	30	15	2.5	40m	0.1u	6.0	2.0m	PE	T072	G			
40	A490	200m	1.0GΔ	1.1m	SJ	30	15	2.5	25m	10n	1.0	15m	PE	T072	G			
41	BF689	200m	1.0GΔ	1.4m	SJ	25	15	2.5	25m	1.0	2.0m	20 TΔ	PE*	T072	G			
42	K2115	200m	1.0GΔ	1.1m	SJ	30	15	2.5	10n	1.0	3.0m	30 TΔ	PE	T072	G			
43	MM8006	200m	1.0GΔ	1.1m	SJ	15	10	3.0	20m	10n	6.0	1.0m	PE	T072	G			
44	MM8007	200m	1.0GΔ	1.1m	SJ	15	10	3.0	20m	10n	6.0	1.0m	PE	T072	G			
45	MMBR5031	200m	1.0GΔ	2.0m	SS	15	10	3.0	10n	6.0	1.0m	25 TΔ	PE	X156d	A			
46	SCA3235	200m	1.0GΔ	1.1m	SJ	45		4.5	50m	20n	6.0	1.0m	PL	T072	G			
47	SCA3236	200m	1.0GΔ	1.1m	SJ	45		4.5	50m	20n	6.0	1.0m	PL	T072	G			
48	SCA3237	200m	1.0GΔ	1.1m	SJ	45		4.5	50m	20n	6.0	1.0m	PL	T072	G			
49	SCA3243	200m	1.0GΔ	1.1m	SJ	45	45	4.5	50m	20n	6.0	1.0m	PL	T072	G			
50	SCA3244	200m	1.0GΔ	1.1m	SJ	45	45	4.5	50m	20n	6.0	1.0m	PL	T072	G			
51	SCA3246	200m	1.0GΔ	1.1m	SJ	45	45	4.5	50m	20n	6.0	1.0m	PL	T072	G			
52	SE5035	200m	1.0GΔ	1.3m	SA	40	30	4.0	50n	10	5.0m	80 T	DPE	T072	J			
53	SO3572	200m	1.0GΔ	1.6m	SJ	13	13	∅					PE	T0236	A			
54	SO3572R	200m	1.0GΔ	1.6m	SJ	13	13	∅					PE	T0236	C			
55	ST2120	200m	1.0GΔ	1.1m	SJ	30	15	4.0	5.0n	1.0	3.0m	50 TΔ	PE	T072	G			
56	ZTX325	200m	1.0GΔ	1.3m	SJ	30	15	2.5	50m	10n	1.0	2.0m	PL	X59	F			
57	2SC313	200m	1.1GΔ	1.2m	SJ	30	19	2.0	50m	50u	10	10m	PE	R92b	H			
58	2SC684	200m	1.1GΔ	2.0m	J	30	19	2.0	50m	500n	10	10m	PE	X162a	B			
59	2SC2360	200m	1.1GΔ	1.1m	TJ	30	30	∅	20m	1.0u	10	3m	PL	R246	∅			
60	A485	200m	1.1GΔ	1.1m	SJ	30	15	2.5	25m	10n	1.0	2.0m	PE	T072	G			
61	2N2708	200m	1.2GΔ	1.1m	SS	35	20	3.0	0.1u	15	2.0m	180 TΔ	PE	T072	G			
62	2N3880	200m	1.2GΔ	1.1m	SS	30	15	2.5	0.05u	6.0	3.0m	50 TΔ	PE	T072	G			
63	2SC809	200m	1.2GΔ	1.6m	SJ	25	13	3.0	20m	100n	6.0	2.0m	PE	T072	G			
64	2SC1215	200m	1.2GΔ	2.0m	J	30	20	3.0	50m	100u	10	2.0m	PE	T092	B			
65	2SC2646	200m	1.2GΔ	2.0m	J	30	20	3.0	50m	10	2.0m	25 TΔ	PE	S9	B			
66	40295	200m	1.2GΔ	1.1m	SJ	35	20	3.0	40m	0.1u	2.0	2.0m	PE	T072	G			
67	SCA3021	200m	1.2GΔ	1.1m	SJ	30	20	2.0	50m	20n	6.0	1.0m	PE	T072	G			
68	SCA3023	200m	1.2GΔ	1.1m	SJ	35	25	2.0	50m	20n	6.0	1.0m	PE	T072	G			
69	SCA3242	200m	1.2GΔ	1.1m	SJ	45	45	4.5	50m	20n	6.0	1.0m	PL	T072	G			
70	SCA3245	200m	1.2GΔ	1.1m	SJ	45	45	4.5	50m	20n	6.0	1.0m	PL	T072	G			
71	SO3571	200m	1.2GΔ	1.6m	SJ	15	15	∅					PE	T0236	A			
72	SO3571R	200m	1.2GΔ	1.6m	SJ	15	15	∅					PE	T0236	C			
73	2N3953	200m	1.3GΔ	1.1m	SS	15		2.5	30m	10u	6.0	2.0m	PE	T072	G			
74	2N5024	200m	1.3GΔ	1.1m	SJ	20	10	4.0	15m	10u	1.0	10m	PE	T072	G			
75	2N5053	200m	1.3GΔ	1.1m	SS	30	15	3.0	25m	0.1u	5.0	2.0m	PE	T072	G			
76	2SC568	200m	1.3GΔ	1.1m	SJ	30	15	3.0	20m	50u	6.0	2.0m	PE	T072	J			
77	2SC583	200m	1.3GΔ	1.1m	SJ	30	15	2.5	25m	1.0	2.0m	25 TΔ	PE	T072	G			
78	2SC612	200m	1.3GΔ	1.3m	∅	35	15	2.0	20m	1.0u	10	2.0m	PE	T072	G			
79	BFS17	200m	1.3GΔ	1.6m	SJ	15							PE	T0236	A			
80	BFS17R	200m	1.3GΔ	1.6m	SJ	15							PE	T0236	C			
81	2SC653	200m	1.4GΔ	1.6m	SJ	25	13	3.0	20m	100n	6.0	2.0m	E	T072	G			
82	2N5054	200m	1.5GΔ	1.1m	SS	30	15	3.0	25m	0.1u	5.0	2.0m	PE	T072	A			
83	BF357S	200m	1.5GΔ	2.3m	SJ	15		3.0	50m	50n	1.0	2.0m	PE	T092	A			
84	SD1300	200m	1.5GΔ	1.1m	SJ	30	15	3.5	50m	100n	10	10m	PE	T072	G			
85	SO3570	200m	1.5GΔ	1.6m	SJ	15	15	∅					PE	T0236	A			
86	SO3570R	200m	1.5GΔ	1.6m	SJ	15	15	∅					PE	T0236	C			
87	2N4934	200m	1.6GΔ	1.1m	SS	40	30	3.0		0.1u	8.0	2.0m	PE	T0104	J			
88	2N4935	200m	1.6GΔ	1.1m	SS	50	40	3.0		0.1u	8.0	2.0m	PE	T0104	J			
89	2N4936	200m	1.6GΔ	1.1m	SS	50	40	3.0		0.1u	8.0	2.0m	PE	T0104	J			
90	2SC1789	200m	1.6GΔ	2.0m	J	25	18	3.0	50m	10	2.0m	20 TΔ	PE	T092	B			
91	BT3960	200m	1.6GΔ	1.1m	SJ	20	12	4.5		100n	1.0	10m	PE	C15	AE			
92	HEPS0039-RT	200m	1.6GΔ	1.1m	SJ	30	15	2.5	40m	10n	3.0	3.0m	PE	T072	G			
93																		