

11. SILICON NPN - HIGH POWER TRANSISTORS

IN ORDER OF (1) MIN. DERATING FACTOR
& (2) TYPE No.

LINE No.	2] TYPE No.	1 MIN. DERATE J to C (W/C)	MAX FREE AIR @ 25°C (W)	M T A E X M P	ABSOLUTE MAX. RATINGS @ 25°C	MAX. hFE	BIAS	MIN	MAX	f _{ae}	MAX. SAT. RES. (Ω)	tr (s)	STRUC-TURE	DWG # Y200 s/a TO200 Ser.	C O A D E	
1	2N3055	117	10	1.0	7.0	60	5.0m	4.0	20	800k	275m	65u	D	T03	A0	
2	2N3439T	10	10	1.0	450	350	20u	10	40	15M	10	65u	PL	T05	A0	
3	2N3440T	10	10	1.0	300	250	20u	10	40	15M	10	65u	PL	T05	A0	
4	2N5466	70	3.0	1.0	500	400	250u	5.0	15	2.5M	800n	800n	PL	T05	A0	
5	2N5467	70	3.0	1.0	700	400	250u	5.0	15	2.5M	800n	800n	PL	T05	A0	
6	2N6216T	125	10	2.0	200	150	1.0u	5.0	20	20M	80u	80u	PL	T03	A0	
7	2N6217T	125	10	2.0	140	80	1.0u	5.0	20	20M	80u	80u	PL	T03	A0	
8	2SC140	1.7	1.0	1.0	60	40	12u	10	30	200M	90M	90M	ME	T09	A0	
9	2SC291	1.0	1.0	1.0	70	50	3.0u	2.0	40	90M	90M	90M	PE	T05	A0	
10	2SC292	1.0	1.0	1.0	100	60	3.0u	2.0	70	90M	90M	90M	PE	T05	A0	
11	2SC571	6.0	1.5	1.0	36	18	5.0u	13	30	250M	250M	250M	PE	T039	A0	
12	2SC572	6.0	1.5	1.0	36	18	5.0u	13	30	250M	250M	250M	PE	T060	A0	
13	2SC573	20	4.0	1.0	36	18	10u	13	40	250M	300k	300k	PE	T060	A0	
14	2SC664	50	5.0	1.5	100	50	5.0	10	35	200M	20M	20M	TD	T03	A0	
15	2SC685	3.0	1.0	1.0	300	300	300	10	30	150M	60M	60M	EM	T05	A0	
16	2SC690A	35	4.0	1.0	60	50	500u	3.0	100	150M	60M	60M	DM	T03	A0	
17	2SC756	10	4.0	1.0	800m	130	40	3.0u	100	150M	60M	60M	EM	T05	A0	
18	2SC792	50	1.5	1.0	400	50	300	50u	100	300M	30M	30M	DM	T03	A0	
19	2SC795	9.0	100m	10m	250	60	200	10u	70	200	20M	15M	D	F9	A0	
20	2SC830	25	3.0	3.0	50	40	50	4.0	1.0	200	20M	15M	D	T066	A0	
21	2SC897	60	3.0	2.0	150	60	90	1.0m	25	200	20M	15M	D	F6h	A0	
22	2SC984	350m	500m	10m	50	40	50	3.0	10	320	100M	100M	PE	T01	A0	
23	2SC1012	25	60m	10m	165	50	165	2.0	40	20	100M	100M	DPL	T039	A0	
24	2SC1025	25	3.0	3.0	120	40	80	1.0m	80	320	100M	100M	ME	T066	A0	
25	2SC1050	40	1.0	1.0	300	60	300	1.0m	300	320	5.0M	8.0M	DM	T03	A0	
26	2SC1051	60	7.0	1.0	150	60	100	1.0m	1.0	320	8.0M	4.0M	D	T03	A0	
27	2SC1170	50	3.5	1.0	12k	5.0	100	10u	3.0	30	4.0M	4.0M	ME	T03	A0	
28	2SC1295	40	2.0	1.0	10k	7.0	350	100u	1.5	13	3.0	3.0	D	T03	A0	
29	2SC1308	50	7.0	1.5k	1.5k	60	400	100u	4.0	3.0	3.0	3.0	D	T03	A0	
30	2SC1348	125	4.0	1.0k	1.0k	14	2.0m	3.0	2.0	4.5	19	5.0M	PE	T03	A0	
31	2SC1383NC	1.0	1.0	1.0	30	5	25	0.1u	100	500m	60	340	PE	R245	B	
32	2SC1384NC	1.0	1.0	1.0	60	5	50	0.1u	100	500m	60	340	PE	R245	B	
33	2SC1448	25	1.5	1.0	150	50	150	20u	100	500m	40	140	DM	Y220b	X0	
34	2SC1448A	25	1.5	1.0	150	50	150	10u	100	500m	40	140	DM	Y220b	X0	
35	2SC1449	1.0	2.0	4.0	40	35	35	2.0	300m	40	250	10M	PE	T03	A0	
36	2SC1477	80	9.0	4.0	230	60	230	1.0m	5.0	10	10M	10M	PE	R245	B	
37	2SC1509NC	1.0	500m	1.0	80	5	80	0.1u	100	150m	65	330	PE	R245	B	
38	2SC1518NC	1.0	1.0	1.0	25	5	20	0.1u	100	500m	65	330	PE	T0117	A0	
39	2SC1603	6.0	6.0u	3.0	18	4.0	30	100u	5.0	500m	15	200	PE	T0117	A0	
40	2SC1604	5.0	3.0u	3.0	65	4.0	65	10u	5.0	500m	15	200	PE	Y220b	X0	
41	2SC1679	15	700m	400m	300	7.0	300	100n	10	10m	200	50M	PL	Y220b	X0	
42	2SC1755	15	700m	400m	300	7.0	300	100n	10	10m	200	50M	PL	Y220b	X0	
43	2SC1756	15	700m	400m	300	7.0	300	100n	10	10m	200	50M	PL	Y220a	X0	
44	2SC1757	15	700m	400m	300	7.0	300	100n	10	10m	200	50M	PL	Y220a	X0	
45	2SC1777	5.0	6.0	4.0	70	6.0	70	1.0m	4.0	5.0	30	150	EM	T03	A0	
46	2SC1783	100	1.5	4.0	180	60	120	100u	4.0	3.0	30	12	PE	T03	A0	
47	2SC1786	100	1.5	5.0	230	60	230	100u	4.0	5.0	60	340	PE	T0126	B	
48	2SC1846	1.2	1.0	1.0	45	5.0	35	100n	100	500m	30	220	PE	T0126	B	
49	2SC1847	1.2	1.5	1.0	50	5.0	40	1.0u	5.0	1.0	30	220	PE	T017	A0	
50	2SC1965A	15	2.0	1.0	40	4.0	500u	3.0	3.0	25	75	330m	PE	T066	A0	
51	2SC2126T	30	3.0	4.0	200	60	200	250u	3.0	10	20	60	D	T03	A0	
52	2SC2127T	100	3.0	4.0	200	60	200	500u	3.0	30	15	45	D	F29a	C0	
53	2SC2128T	200	3.0	10	25	2.5	2.5	500u	7.0	400m	20	200	E	T136	S	
54	2SC2222	17	1.5	200m	250	7	250	100u	5.0	10m	60	400	PL	Y202	B	
55	2SC2224A	1.5	1.0	100m	250	7	250	100u	5.0	5m	30	320	PL	T0126	B	
56	2SC2258	3.0	7.0	2.0	500	10	400	100u	4.0	5.0	10	10	35M	T03	A0	
57	2SC2276	100	12	3.0	500	10	400	100u	4.0	10	10	10	35M	T03	A0	
58	2SC2302	150	15	5.0	450	60	400	1.0m	4.0	5.0	10	10	7.0M	T03	A0	
59	2SC2304	100	12	3.0	400	7.0	400	100u	4.0	10	10	10	10M	B62	D	
60	2SC2306	100	6.0	3.0	80	60	60	100u	4.0	500m	500	500	10M	B61	D	
61	2SC2307	40	6.0	3.0	100	60	80	100u	4.0	500m	500	500	10M	B61	D	
62	2SC2315	30	1.0	100m	200	60	150	100u	4.0	200m	30	10	10M	B61	D	
63	2SC2316	50	6.0	3.0	600	60	500	1.0m	4.0	3.0	10	10	10M	T03	A0	
64	2SC2317	40	6.0	3.0	100	15	50	100u	4.0	1.0	300	15	10M	B61	D	
65	2SC2365	8.8	750m	25	25	2.0	200	100u	7.0	100m	20	200	E	W163	GE	
66	2SC2491	8.8	750m	25	25	2.0	200	100u	7.0	100m	20	200	E	W161	GE	
67	2SC2484K	18	1.5	1.0	25	2.0	200	200u	7.0	200m	20	200	E	W163	GE	
68	2SC2484M	18	1.5	1.0	25	2.0	200	200u	7.0	200m	20	200	E	W161	GE	
69	2SC2495K	95	10	2.0	100	50	100	10u	2.0	10	50	80M	PE	W161	GE	
70	2SC2495M	95	10	2.0	130	50	130	10u	2.0	4.5	30	80M	PE	W161	GE	
71	2SC2571-1	60	6.0	3.0	120	60	80	100u	4.0	2.0	30	30	20	B62	D	
72	2SC2571-2	70	7.0	3.0	140	60	100	100u	4.0	3.0	30	30	20	B62	D	
73	2SC2577	80	8.0	3.0	160	60	120	100u	4.0	3.0	30	30	20	B62	D	
74	2SC2578	90	9.0	4.0	180	60	140	100u	4.0	3.0	30	30	20	B62	D	
75	2SC2579	100	10	4.0	200	60	200	100u	4.0	3.0	30	30	20	B62	D	
76	2SC2580	150	15	5.0	200	60	200	100u	4.0	5.0	30	30	20	T03	A0	
77	2SC2581	200	17	5.0	200	60	200	100u	4.0	8.0	20	20	20M	T03	A0	
78	2SC2607	15	2.0	1.0	300	65	300	1.0u	10	10m	40	200	PL	T0126	B	
79	2SC2608	15	2.0	1.0	35	3.5	17	100u	5.0	1.0	10	10	300M	PE	W172	R
80	2SC2621	35	3.5	1.0	40	4.0	17	1m	5.0	1.0	10	10	300M	PE	W172	R
81	2SC2638	70	6.0	3.0	85	4	55	12m	5.0	10	10	150	100M	PE	W172	R
82	2SC2639	55	4.0	1.0	100	60	80	1.0m	4.0	1.0	40	40	10M	PE	W172	R
83	2SC2640	30	3.5	1.0	35	3.5	17	1m	5.0	1.0	10	10	200M	PE	W172	R
84	2SC2652	45	6.0	3.0	35	3.5	17	1m	5.0	1.0	10	10	200M	PE	W172	R
85	2SC2665	20	1.2	300m	120	5.0	120	100n	5.0	300m	60	320	PE	W172	R	
86	2SC2666	20	1.2	300m	160	5.0	160	100n	5.0	300m	60	320	PE	W172	R	
87	2SC2667	200	30	9.0	450	60	400	100u	2.0	15	8	150	PE	W172	R	
88	2SC2690A	250	25	140m	180	5.0	180	100n	5.0	10m	100	400	PE	W172	R	
89	2SC2781	1.0	40m	200	200	5.0	200	100n	5.0	10m	100	400	PE	W172	R	
90	2SC2879	1.0	40m	200	200	5.0	200	100n	5.0	10m	100	400	PE	W172	R	
91	2SC2911	1.0	40m	200	200	5.0	200	100n	5.0	10m	100	400	PE	W172	R	
92	2SC2912	1.0	40m	200	200	5.0	200	100n	5.0	10m	100	400	PE	W172	R	
93	2SC2934	0.2	0.2	300	300											