

11. SILICON NPN - HIGH POWER TRANSISTORS

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

LINE No.	TYPE No.	MIN. DERATE J to C (W/°C)	MAX. FREE AIR @ 25°C (W)	MAX. P _C (W)	M A X E M P	ABSOLUTE MAX. RATINGS @ 25°C					MAX. I _{CB} @ MAX V _{CB} @ 25°C (A)	BIAS		MIN	MAX	f _{ae} (Hz)	MAX. SAT. RES. (Ω)	tr (s)	STRUC-TURE	DWG #	#	C O D E
						I _C (A)	I _B (A)	V _{CB} (V)	V _{EB} (V)	V _{CE} (V)		I _{CB} (A)	V _{CB} (V)									
1	SDT2010	1.6	140	0	J	60	10	40	20	30	5.0m	2.0	50	15		340k	10m	10u	A	T22	AE	
2	SDT3620	1.6	280	0	J	90		80	8.0	60	10k	5.0	75	10		10M	20m		DPL	T088	AE	
3	SDT3621	1.6	280	0	J	90		100	8.0	80	10k	5.0	75	10		10M	20m		DPL	T088	AE	
4	SDT3622	1.6	280	0	J	90		120	8.0	100	10k	5.0	75	10		10M	20m		DPL	T088	AE	
5	SDT3623	1.6	280	0	J	90		140	8.0	12	10k	5.0	75	10		10M	20m		DPL	T088	AE	
6	SDT8601	1.6	280	0	J	90	20	100	8.0		10u	5.0	75	10	#	20M			PL	T088	A	
7	SDT8602	1.6	280	0	J	90	20	100	8.0		10u	5.0	75	10	#	20M			PL	T088	A	
8	SDT8603	1.6	280	0	J	90	20	120	8.0		10u	5.0	75	10	#	20M			PL	T088	A	
9	SDT8604	1.6	280	0	J	90	20	140	8.0		10u	5.0	75	10	#	20M			PL	T088	A	
10	SDT8651	1.6	290	0	J	60	6.0	200	8.0	200	10u	10	40	10		15M			PL	T088	A	
11	SDT8652	1.6	290	0	J	60	6.0	225	8.0	225	10u	10	40	10		15M			PL	T088	A	
12	SDT8653	1.6	290	0	J	60	6.0	250	8.0	250	10u	10	40	10		15M			PL	T088	A	
13	SDT8654	1.6	290	0	J	60	6.0	275	8.0	275	10u	10	40	10		15M			PL	T088	A	
14	SDT8655	1.6	290	0	J	60	6.0	300	8.0	300	10u	10	40	10		15M			PL	T088	A	
15	SDT9640	1.6	290	0	J	50	6.0	300	8.0	200	1.0u	100	40	10		10M	45m		DPL	T088	C	
16	SDT9621	1.6	290	0	J	50		225	10	200	1.0u	100	40	10		10M	45m		DPL	T088	C	
17	SDT9622	1.6	290	0	J	50		250	10	225	1.0u	100	40	10		10M	45m		DPL	T088	C	
18	SDT9623	1.6	290	0	J	50		275	10	250	1.0u	100	40	10		10M	45m		DPL	T088	C	
19	SDT9624	1.6	290	0	J	50		325	10	300	1.0u	100	40	10		10M	45m		DPL	T088	C	
20	SDT9660	1.6	290	0	J	100		80	10	60	1.0u	5.0	70	15		10M	14m		DPL	T088	C	
21	SDT9661	1.6	290	0	J	100		100	10	80	1.0u	5.0	70	15		10M	14m		DPL	T088	C	
22	SDT9662	1.6	290	0	J	100		120	10	100	1.0u	5.0	70	15		10M	14m		DPL	T088	C	
23	SDT9663	1.6	290	0	J	100		140	10	120	1.0u	5.0	70	15		10M	14m		DPL	T088	C	
24	SDT9664	1.6	290	0	J	100		160	10	140	1.0u	5.0	70	15		10M	14m		DPL	T088	C	
25	SDT96501	1.6	290	0	J	100	15	80	10	60	1.0u	5.0	90	5.0		10M			PL	T088	A	
26	SDT96502	1.6	290	0	J	100	15	120	10	100	1.0u	5.0	90	5.0		10M			PL	T088	A	
27	SDT96503	1.6	290	0	J	100	15	160	10	140	1.0u	5.0	90	5.0		10M			PL	T088	A	
28	SDT96504	1.6	290	0	J	50	10	225	10	200	1.0u	100	40	8.0		40			PL	T088	A	
29	SDT96505	1.6	290	0	J	50	10	275	10	250	1.0u	100	40	8.0		40			PL	T088	A	
30	SDT96506	1.6	290	0	J	50	10	325	10	300	1.0u	100	40	8.0		40			PL	T088	A	
31#	T25M40	1.6	200	0	J	25	7.0	800	7.0	400	0.1m	5.0	25	6.0			1.0u	#	Δ	T03	C	
32	2N5685	1.7	300	0	J	50	15	60	5.0	60	2.0m	2.0	25	15		60	#	2.0M	Δ	F4d	C	
33	JAN2N5685t	1.7	300	0	S	50	15	60	5.0	60	2.0m	2.0	25	15		60	#	2.0M	Δ	F6r	C	
34	2N5686	1.7	300	0	J	50	15	80	5.0	80	2.0m	2.0	25	15		60	#	2.0M	Δ	F4d	C	
35	JAN2N5686t	1.7	300	0	S	50	15	80	5.0	80	2.0m	2.0	25	15		60	#	2.0M	Δ	F6r	C	
36#	BUY231	1.7	100	0	J	10	3.0	600	8.0	250	2.0m	5.0	2.5	20		200	#	25M	Δ	T03	C	
37	MJ7200	1.7	300	0	J	60	20	100	6.0	80	100u	5.0	20	20		100	#	20M	Δ	T69a	A	
38	MJ7201	1.7	300	0	J	60	20	120	6.0	100	100u	5.0	20	20		100	#	20M	Δ	T69a	A	
39	MJ14000	1.7	300	0	J	70	15	60	5.0	60	1.0m	3.0	50	15		100	#			F49b	C	
40	MJ14002	1.7	300	0	J	70	15	80	5.0	80	1.0m	3.0	50	15		100	#			F49b	C	
41	MRF428A	1.8	320	0	S	20	11	4.0	55		5.0	5.0	10	30		50	#			T124	R	
42	2N1936	2.0	150	0	J	20	10	125	6.0	60	10m	10	10	50		4.0M	#	75m	ME	T063	A	
43	2N1937	2.0	150	0	J	20	10	125	6.0	80	10m	10	10	50		4.0M	#	75m	ME	T063	A	
44	2N2226	2.0	150	0	C	10	1.0	50	15	50	20m	6.0	9.0	100	500	7.0k	Δ	380m		T1	A	
45	2N2227	2.0	150	0	C	10	1.0	100	15	100	20m	6.0	9.0	100	500	7.0k	Δ	380m		T1c	B	
46	2N2228	2.0	150	0	C	10	1.0	150	15	150	20m	6.0	9.0	100	500	7.0k	Δ	380m		T1c	B	
47	2N2229	2.0	150	0	C	10	1.0	200	15	200	20m	6.0	9.0	100	500	7.0k	Δ	380m		T1c	B	
48	2N2230	2.0	150	0	C	10	1.0	50	15	50	20m	6.0	9.0	350		4.0k	Δ	380m		T1c	B	
49	2N2231	2.0	150	0	C	10	1.0	100	15	100	20m	6.0	9.0	350		4.0k	Δ	380m		T1c	B	
50	2N2232	2.0	150	0	C	10	1.0	150	15	150	20m	6.0	9.0	350		4.0k	Δ	380m		T1c	B	
51	2N2233	2.0	150	0	C	10	1.0	200	15	200	20m	6.0	9.0	350		4.0k	Δ	380m		T1c	B	
52	2N2739t	2.0	200	0	C	20	7.5	50	15	50	15m	4.0	10	10		150m	6.0u		T1	B		
53	2N2740t	2.0	200	0	C	20	7.5	100	15	100	15m	4.0	10	10		150m	6.0u		T1	B		
54	2N2741t	2.0	200	0	C	20	7.5	150	15	150	15m	4.0	10	10		150m	6.0u		T1	B		
55	2N2742t	2.0	200	0	C	20	7.5	200	15	200	15m	4.0	10	10		150m	6.0u		T1	B		
56	2N2743t	2.0	200	0	C	20	7.5	250	15	250	15m	4.0	10	10		150m	6.0u		T1b	B		
57	2N2744t	2.0	200	0	C	20	7.5	300	15	300	15m	4.0	10	10		150m	6.0u		T1b	B		
58	2N2745t	2.0	200	0	C	20	7.5	50	15	50	15m	4.0	15	10		100m	6.0u		T1	B		
59	2N2746t	2.0	200	0	C	20	7.5	100	15	100	15m	4.0	15	10		100m	6.0u		T1	B		
60	2N2747t	2.0	200	0	C	20	7.5	150	15	150	15m	4.0	15	10		100m	6.0u		T1	B		
61	2N2748t	2.0	200	0	C	20	7.5	200	15	200	15m	4.0	15	10		100m	6.0u		T1	B		
62	2N2749t	2.0	200	0	C	20	7.5	250	15	250	15m	4.0	15	10		100m	6.0u		T1b	B		
63	2N2750t	2.0	200	0	C	20	7.5	300	15	300	15m	4.0	15	10		100m	6.0u		T1b	B		
64	2N2751t	2.0	200	0	C	20	7.5	50	15	50	15m	4.0	20	10		75m	7.0u		T1	B		
65	2N2752t	2.0	200	0	C	20	7.5	100	15	100	15m	4.0	20	10		75m	7.0u		T1	B		
66	2N2753t	2.0	200	0	C	20	7.5	150	15	150	15m	4.0	20	10		75m	7.0u		T1	B		
67	2N2754t	2.0	200	0	C	20	7.5	200	15	200	15m	4.0	20	10		75m	7.0u		T1	B		
68	2N2755t	2.0	200	0	C	20	7.5	250	15	250	15m	4.0	20	10		7.0u	7.0u		T1b	B		
69	2N2756t	2.0	200	0	C	20	7.5	300	15	300	15m	4.0	20	10		7.0u	7.0u		T1b	B		
70	2N2757t	2.0	200	0	C	30	7.5	50	15	50	15m	4.0	10	10		150m	6.0u		T33	A		
71	2N2758t	2.0	200	0	C	30	7.5	100	15	100	15m	4.0	10	10		150m	6.0u		T33	A		
72	2N2759t	2.0	200	0	C	30	7.5	150	15	150	15m	4.0	10	10		150m	6.0u		T33	A		
73	2N2760t	2.0	200	0	C	30	7.5	200	15	200	15m	4.0	10	10		150m	6.0u		T33	A		
74	2N2761t	2.0	200	0	C	30	7.5	250	15	250	15m	4.0	10	10		150m	6.0u		T33	A		
75	2N2762t	2.0	200	0	C	30	7.5	300	15	300	15m	4.0	10									