

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)	M T A E X M P	ABSOLUTE MAX. RATINGS @ 25°C					MAX. hFE			BIAS		f _{ae} (Hz)	MAX. SAT. RES. (Ω)	tr (s)	STRUC-TURE	DWG s/a TO200 Ser.	# L C O D E
					I _c (A)	I _b (A)	V _{BCvo} (V)	V _{BEvo} (V)	V _{CEvo} (V)	I _{cbo} @ 25°C (A)	V _{cb} (V)	I _c (A)	MIN	MAX						
1	DTS425#	1.3	100		3.5	2.0	6.0	5.0	250uΔ	5.0	2.5	30	90	2.5mΔ	800m	800n	ΔΔ	T03	CØ	
2	DTS431M1	1.3	125		3.5	2.0	4.0	5.0	2.5mΔ	5.0	1.5	15	35	2.5mΔ	280m			Y204a	CØ	
3	DTS3704	1.3			3.5	5.0	200	5.0	200	5.0	5.0	20	80	115k	1.6			T04	CØ	
4	DTS3704A	1.3			3.5	5.0	300	5.0	300	5.0	5.0	20	80	115k	1.6			T04	CØ	
5	DTS3704B	1.3			3.5	5.0	400	5.0	335	5.0	5.0	20	80	115k	1.6			T04	CØ	
6	DTS3705	1.3			3.5	5.0	200	5.0	200	5.0	1.0	25	75	110k	1.0			T03	CØ	
7	DTS3705A	1.3			3.5	5.0	300	5.0	300	5.0	1.0	25	75	110k	1.0			T03	CØ	
8	DTS3705B	1.3			3.5	5.0	400	5.0	400	5.0	1.0	25	75	110k	1.0			T03	CØ	
9	DTS4065	1.3	100		3.5	4.0	4.0	2.0	250uΔ	5.0	3.0	500		8.0mΔ			ΔΔ	Y204a	CØ	
10	HEPS7006-RT	1.3	125		3.5	2.0	1.5k	5.0	750	1.0m		30	90	2.5mΔ	800m			T03	CØ	
11	MJ410	1.3			3.5	2.0	200	5.0	200	250uΔ	5.0	1.0	30	90	2.5mΔ	800m			T03	CØ
12	MJ411	1.3			3.5	2.0	300	5.0	300	250uΔ	5.0	1.0	30	90	2.5mΔ	800m			T03	CØ
13	MJ424	1.3			3.5	2.0	700	6.0	350	250uΔ	5.0	1.0	30	90	2.5mΔ	800m			T03	CØ
14	MJ425	1.3			3.5	2.0	700	6.0	400	250uΔ	5.0	1.0	30	90	2.5mΔ	800m			T03	CØ
15	SD1078	1.3	220		3.5	1.5	65	4.0	36	2.0m	5.0	5.0	10				EPL	W52w	CØ	
16	SDT402	1.3	100		3.5	2.0	5.0	5.0	400	0.5m		1.0	30		2.0mΔ		PL	T03	A	
17	SDT401	1.3	125		3.5	2.0	200	5.0	200	500u	5.0	1.0	30	#	4.0m		ME	T03	A	
18	SDT411	1.3	100		3.5	2.0	300	5.0	300	0.5m	5.0	1.0	30	#	2.0m		PL	T03	A	
19	SDT4231	1.3	100		3.5	2.0	400	5.0	400	0.5	5.0	1.0	30	90 #	2.5m		PL	T03	A	
20	SDT4241	1.3	100		3.5	2.0	700	6.0	500	0.5	5.0	1.0	30	90 #	2.5m		PL	T03	A	
21	SDT4251	1.3	100		3.5	2.0	700	6.0	500	0.5	5.0	1.0	30	90 #	2.5m		PL	T03	A	
22	SDT4301	1.3	125		3.5	2.0	400	5.0	400	2.5m	5.0	2.5	15	#	2.5m		PL	T03	CØ	
23	SDT4311	1.3	125		3.5	2.0	400	5.0	400	2.5m	5.0	2.5	15	#	2.5m		PL	T03	CØ	
24	SEN-11731	1.3	250		3.5	1.5	180	7.0		2.0m	4.0	8.0	15	#	2.5m	100m		PL	T03	CØ
25	SPC153-04	1.3	200		3.5	3.0	65	25	40	10m	4.0	1.5	15				D	T061	A	
26	SPC153-06	1.3	200		3.5	3.0	85	25	60	10m	4.0	1.5	15				D	T061	A	
27	SPC153-08	1.3	200		3.5	3.0	105	25	80	10m	4.0	1.5	15				D	T061	A	
28	SPC153-10	1.3	200		3.5	3.0	125	25	100	10m	4.0	1.5	15				D	T061	A	
29	SPC153-12	1.3	200		3.5	3.0	145	25	120	10m	4.0	1.5	15				D	T061	A	
30	SPC153-14	1.3	200		3.5	3.0	165	25	140	10m	4.0	1.5	15				D	T061	A	
31	SPC153-16	1.3	200		3.5	3.0	185	25	160	10m	4.0	1.5	15				D	T061	A	
32	SPC153-18	1.3	200		3.5	3.0	205	25	180	10m	4.0	1.5	15				D	T061	A	
33	SPC153-20	1.3	200		3.5	3.0	225	25	200	10m	4.0	1.5	15				D	T061	A	
34	SPC153-22	1.3	200		3.5	3.0	245	25	220	10m	4.0	1.5	15				D	T061	A	
35	SPC153-24	1.3	200		3.5	3.0	265	25	240	10m	4.0	1.5	15				D	T061	A	
36	SPC153-26	1.3	200		3.5	3.0	285	25	260	10m	4.0	1.5	15				D	T061	A	
37	SPC153-28	1.3	200		3.5	3.0	305	25	280	10m	4.0	1.5	15				D	T061	A	
38	SPC153-30	1.3	200		3.5	3.0	325	25	300	10m	4.0	1.5	15				D	T061	A	
39	SPC154-04	1.3	200		3.5	3.0	65	25	40	10m	4.0	1.5	25				D	T061	A	
40	SPC154-06	1.3	200		3.5	3.0	85	25	60	10m	4.0	1.5	25				D	T061	A	
41	SPC154-08	1.3	200		3.5	3.0	105	25	80	10m	4.0	1.5	25				D	T061	A	
42	SPC154-10	1.3	200		3.5	3.0	125	25	100	10m	4.0	1.5	25				D	T061	A	
43	SPC154-12	1.3	200		3.5	3.0	145	25	120	10m	4.0	1.5	25				D	T061	A	
44	SPC154-14	1.3	200		3.5	3.0	165	25	140	10m	4.0	1.5	25				D	T061	A	
45	SPC154-16	1.3	200		3.5	3.0	185	25	160	10m	4.0	1.5	25				D	T061	A	
46	SPC154-18	1.3	200		3.5	3.0	205	25	180	10m	4.0	1.5	25				D	T061	A	
47	SPC154-20	1.3	200		3.5	3.0	225	25	200	10m	4.0	1.5	25				D	T061	A	
48	SPC154-22	1.3	200		3.5	3.0	245	25	220	10m	4.0	1.5	25				D	T061	A	
49	SPC154-24	1.3	200		3.5	3.0	265	25	240	10m	4.0	1.5	25				D	T061	A	
50	SPC154-26	1.3	200		3.5	3.0	285	25	260	10m	4.0	1.5	25				D	T061	A	
51	SPC154-28	1.3	200		3.5	3.0	305	25	280	10m	4.0	1.5	25				D	T061	A	
52	SPC154-30	1.3	200		3.5	3.0	325	25	300	10m	4.0	1.5	25				D	T061	A	
53	SPC402	1.3	100		3.5	2.0	400	5.0	325	500uΔ	5.0	500m	20	100	4.0M	666m		D	T03	CØ
54	SPC410	1.3	80		3.5	2.0	200	5.0	200	500u	5.0	1.0	30	90	4.0M	160m		D	T03	CØ
55	SPC411	1.3	100		3.5	2.0	300	5.0	300	500u	5.0	1.0	30	90	5.0M	800m		D	T03	CØ
56	SPC423	1.3	100		3.5	2.0	400	5.0	325	500	5.0	1.0	30	90	5.0M	800m		D	T03	CØ
57	SPC424	1.3	100		3.5	2.0	500	6.0	350	250uΔ	5.0	1.0	30	90	4.0M	800m		D	T03	CØ
58	SPC425	1.3	100		3.5	2.0	500	6.0	400	250uΔ	5.0	1.0	30	90	4.0M	800m		D	T03	CØ
59	STS103	1.3	125		3.5	5.0	80	5.0	60	250uΔ	1.5	5.0	20	55	4.0M	180m	550n	EMΔ	T03	CØ
60	STS104	1.3	125		3.5	5.0	80	5.0	60	250uΔ	1.5	5.0	50	120	4.0M	150m	550n	EMΔ	T03	CØ
61	STS105	1.3	125		3.5	5.0	100	5.0	80	250uΔ	1.5	5.0	20	55	4.0M	180m	550n	EMΔ	T03	CØ
62	STS106	1.3	125		3.5	5.0	110	5.0	90	250uΔ	1.5	5.0	20	55	4.0M	180m	550n	EMΔ	T03	CØ
63	STS107	1.3	125		3.5	5.0	120	5.0	100	250uΔ	1.5	5.0	20	55	4.0M	180m	550n	EMΔ	T03	CØ
64	STS402	1.3	100		3.5	2.0	400	5.0	400	500uΔ	5.0	1.0	15		4.0M	667m	1.9u#	EMΔ	T03	CØ
65	STS403	1.3	100		3.5	2.0	400	5.0	400	250uΔ	5.0	1.0	15		571m	700n#	EMΔ	T03	CØ	
66	STS409	1.3	100		3.5	2.0	400	5.0	400	350uΔ	5.0	1.0	15		2.5m	1.2	EM	T03	CØ	
67	STS410	1.3	80		3.5	2.0	200	5.0	200	500u	5.0	1.0	30	90	4.0M	800m	300n	EMΔ	T03	CØ
68	STS411	1.3	100		3.5	2.0	300	5.0	300	500u	5.0	1.0	30	90	5.0M	800m	300n	EMΔ	T03	CØ
69	STS423	1.3	100		3.5</															