

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 M P X	ABSOLUTE MAX. RATINGS @ 25°C					MAX. hFE		BIAS V _{cb} (V)	MIN (V)	MAX (V)	f _{ae} (Hz)	MAX. SAT. RES. (Ω)	tr (s)	STRUCTURE	DWG # Y200 TO200 Ser.	L O D E
					I _c (A)	I _b (A)	V _{cb} (V)	V _{eb} (V)	V _{ceo} (V)	I _{co} @ MAX V _{cb} (A)	hFE (A)									
1	2N6722	20m	2.0	\$J	1.0	500m	275	6.0	250	1.0u∅	100	500m	10	50				PLT	B32	A
2	2N6723	20m	2.0	\$J	1.0	500m	325	6.0	300	1.0u∅	100	500m	10	50				PLT	B32	A
3	2N6731	20m	2.0	\$J	1.0	500m	100	5.0	80	100n∅	2.0∅	350m	100	300				PLT	B32	A
4	2N6733	20m	2.0	\$J	100m	50m	200	6.0	200	100n∅	10∅	10m	40	200				PLT	B32	A
5	2N6734	20m	2.0	\$J	100m	50m	250	6.0	250	100n∅	10∅	10m	40	200				PLT	B32	A
6	2N6735	20m	2.0	\$J	100m	50m	300	6.0	300	100n∅	10∅	10m	40	200				PLT	B32	A
7#	2SC1012A	20m	2.5 ∅	\$J	60m	10m	250	5.0	250	100u	20∅	40m	20	100	100M∅	100		DPL	T039	A
8#	2SC1589	20m	2.5 ∅	\$J	700m		36	4.0	18	100u	10∅	300m	15	200	550M∅			E	Y202a	A
9#	2SD622	20m	3.0 ∅	\$J	3.0	1.0	450	5.0	400	100u∅	5.0∅	1.0	10	80	25M∅	1.2 #	1.4u	ME	T066	C∅
10	92PE37A	20m	1.2	\$J	2.0	500m	60	5.0	45	100n	2.0∅	250m	40		50M∅			PLT	B32	B
11	92PE37B	20m	1.2	\$J	2.0	500m	80	5.0	60	100n	2.0∅	250m	40		50M∅			PLT	B32	B
12	92PE37C	20m	1.2	\$J	2.0	500m	100	5.0	80	100n	2.0∅	250m	40		50M∅			PLT	B32	B
13	92PE487	20m	1.2	\$J	300m	50m	160	7.0	160	50n∅	10∅	30m	30					PLT	B32	B
14	92PE488	20m	1.2	\$J	300m	50m	250	7.0	250	50n∅	10∅	30m	30					PLT	B32	B
15	92PE489	20m	1.2	\$J	300m	50m	300	7.0	300	50n∅	10∅	30m	30					PLT	B32	B
16	92PU01	20m	1.2	\$J	2.0	500m	40	5.0	30	100n	1.0∅	1.0	50		50M∅	500m		DPL	B32	A
17	92PU01A	20m	1.2	\$J	2.0	500m	50	5.0	40	100n	1.0∅	1.0	50		50M∅	500m		DPL	B32	A
18	92PU05	20m	1.2	\$J	2.0	500m	60	4.0	60	100n∅	1.0∅	50m	80		50M∅			DPL	B32	A
19	92PU06	20m	1.2	\$J	2.0	500m	80	4.0	80	100n∅	1.0∅	50m	80		50M∅			PLT	B32	A
20	92PU07	20m	1.2	\$J	2.0	500m	100	4.0	100	100n∅	1.0∅	50m	80		50M∅			PLT	B32	A
21	92PU10	20m	1.2	\$J	2.0	500m	300	7.0	300	100n∅	10∅	30m	40					PLT	B32	A
22	92PU36	20m	1.2	\$J	2.0	500m	175	6.0	150	1.0u	10∅	100m	30	300				PLT	B32	A
23	92PU36A	20m	1.2	\$J	2.0	500m	225	6.0	200	1.0u	10∅	100m	30	300				PLT	B32	A
24	92PU36B	20m	1.2	\$J	2.0	500m	275	6.0	250	1.0u	10∅	100m	30	300				PLT	B32	A
25	92PU36C	20m	1.2	\$J	2.0	500m	325	6.0	300	1.0u	10∅	100m	30	300				PLT	B32	A
26	92PU100	20m	1.2	\$J	2.0	500m	100	7.0	80	100n	2.0∅	350m	100	300				PLT	B32	A
27	92PU391	20m	1.2	\$J	2.0	500m	200	6.0	200	100n	10∅	1.0m	25					PLT	B32	A
28	92PU392	20m	1.2	\$J	2.0	500m	250	6.0	250	100n	10∅	1.0m	25					PLT	B32	A
29	92PU393	20m	1.2	\$J	2.0	500m	300	6.0	300	100n	10∅	1.0m	25					PLT	B32	A
30	40389	20m∅	3.5	\$J	700m		60	5.0	40	250n∅	10∅	150m	50	250 #	100M∅	9.3		D	F31	A
31	40409	20m∅	3.0 #	\$J	700m	200m		4.0	90	1.0u*	4.0∅	150m	50	250	100M∅	9.3		D	F31	A
32	404501	20m	1.0	\$J				7.5	25	100n∅	10∅	10m	100	200	175M∅	1.2	50m	PE	R119	A
33	404511	20m	1.0	\$J				8.0	40	10n∅	10∅	10m	125	300	175M∅	1.0		PE	R119	A
34	40452	20m	1.0	\$J	300m	300m∅		8.0	40	10n	10∅	10m	75	300	80M∅	1.2		PE	R119	A
35	40453	20m	1.0	\$J	200m	25m		7.5	25	100n	10∅	10m	165	600	80M∅	1.2		PE	R119	A
36	40454	20m	1.0	\$J	200m	25m		7.5	25	100n	10∅	10m	75	300	80M∅	1.2		PE	R119	A
37	40455	20m	1.0	\$J	200m	25m		7.0	18	500n	10∅	10m	165	600	80M∅	2.0		PE	R119	A
38	40456	20m	1.0	\$J	200m	25m		7.0	18	500n	10∅	10m	75	300	80M∅	2.0		PE	R119	A
39	404591	20m∅	1.0	\$J	1.0			8.0	40	10n∅	10∅	10m	100	300	200M∅	1.0	50n	DPE	R119	A
40	40608	20m	3.5 ∅	\$J	400m			2.0	40	100u∅	15∅	50m	35	120	700M∅	20		PE	T039	A
41	40625	20m∅	3.5	\$A	1.0			7.0	45	250n	10∅	150m	100	300				F38	A	A
42	40625L	20m∅	3.5	\$A	1.0			7.0	45	250n	10∅	150m	100	300				F38	A	A
43	40625S	20m∅	3.5	\$A	1.0			7.0	45	250n	10∅	150m	100	300				F38	A	A
44	40628	20m∅	3.5	\$A	1.0			7.0	55	250n	10∅	150m	100	300				F38	A	A
45	40628L	20m∅	3.5	\$A	1.0			7.0	55	250n	10∅	150m	100	300				F38	A	A
46	40628S	20m∅	3.5	\$A	1.0			7.0	55	250n	10∅	150m	100	300				F38	A	A
47	40836	20m∅	2.5 ∅	\$J	200m			3.5	50	1.0m∅					700M∅	10		PE	W48a	A
48	40964	20m	3.5 ∅	\$J	200m			3.5	20	100u∅					700M∅			PE	T039	G
49	40965	20m	3.5 ∅	\$J	200m			3.5	20	100u∅					1.8G∅			PE	T039	A
50	41039	20m∅	2.5 ∅	\$J	250m			3.5	25	20u∅	5.0∅	50m	25	350	1.2G∅			PE	T039	A
51	A210	20m∅	1.5 ∅	\$J	150m			2.0	20	*					2.0G∅			PE	T039	A
52	BD233	20m	25 ∅	\$J	2.0	1.0		45	5.0	45	100u∅	2.0∅	150m	40 #		3.0M∅	600m#		B16g	B
53	BD235	20m	25 ∅	\$J	2.0	1.0		60	5.0	60	100u∅	2.0∅	150m	40 #		3.0M∅	600m#		B16g	B
54	BD237	20m	25 ∅	\$J	2.0	1.0		80	5.0	80	100u∅	2.0∅	150m	40 #		3.0M∅	600m#		B16g	B
55	BD371A	20m	1.2	\$J	2.0	500m		45	5.0	45	100n	1.0∅	100m	40	400	50M∅		PLT	B32	A
56	BD371B	20m	1.2	\$J	2.0	500m		60	5.0	60	100n	1.0∅	100m	40	400	50M∅		PLT	B32	A
57	BD371C	20m	1.2	\$J	2.0	500m		80	5.0	80	100n	1.0∅	100m	40	400	50M∅		PLT	B32	A
58	BD371D	20m	1.2	\$J	2.0	500m		100	5.0	100	100n	1.0∅	100m	40	400	50M∅		PLT	B32	A
59	BD373A	20m	1.2	\$J	2.0	500m		45	5.0	45	100n	1.0∅	100m	40	400	50M∅		PLT	B32	B
60	BD373B	20m	1.2	\$J	2.0	500m		60	5.0	60	100n	1.0∅	100m	40	400	50M∅		PLT	B32	B
61	BD373C	20m	1.2	\$J	2.0	500m		80	5.0	80	100n	1.0∅	100m	40	400	50M∅		PLT	B32	B
62	BD373D	20m	1.2	\$J	2.0	500m		100	5.0	100	100n	1.0∅	100m	40	400	50M∅		PLT	B32	B
63	BFR95	20m∅	1.5 ∅	\$J	150m			30	3.0	25	50u∅	20∅	150m	30		3.5G∅		PE	T039	A
64#	BFR98	20m	2.0	\$J	400m	400m		40	3.5	20	20u∅	5.0∅	100m	10	200	500M∅		PE	T039	A
65#	BFW17A	20m	1.5 ∅	\$J	150m			40	2.0	25	20u∅	5.0∅	50m	25		1.1G∅		PE	T039	A
66#	MRF207	20m	3.5 ∅	\$J	400m			36	4.0	18	100u∅	5.0∅	100m	5.0				PE	T039	A
67	MRF225	20m	3.5 ∅	\$S	250m			36	4.0	18	100u∅	5.0∅	100m		100u	225M#		DM	T05	A
68	MST10	20m	1.0	\$A	350m	100m		100	5.0	100	3.0u∅	10∅	55m	30	55 ∅	40M∅	25	DM	T05	A
69	MST15	20m	1.0	\$A	350m	100m		150	5.0	150	3.0u∅	10∅	55m	30	55 ∅	40M∅	25	DM	T05	A
70	MST20	20m	1.0	\$A	350m	100m		200	5.0	200	3.0u∅	10∅	55m	30	55 ∅	40M∅	25	DM	T05	A
71	MST25	20m	1.0	\$A	350m	100m		250	5.0	250	3.0u∅	10∅	55m	30	55 ∅	40M∅	25	DM	T05	A
72	MST30	20m	1.0	\$A	350m	100m		300	5.0	300	3.0u∅	10∅	55m	30	55 ∅	40M∅	25	DM	T05	A
73	MST35	20m	1.0	\$A	350m	100m		350	5.0	350	3.0u∅	10∅	55m	30	55 ∅	40M∅	25	DM	T05	A
74	MST40	20m	1.0	\$A	350m	100m		400	5.0	400	4.0u∅	10∅	45m	30	55 ∅	40M∅	30	DM	T05	A
75	MST45	20m	1.0																	