

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)	Pc	M T A E X P	ABSOLUTE MAX. RATINGS @ 25°C					MAX. Icbt @ MAX Vcb @ 25°C (A)	BIAS		MIN	MAX	fae (Hz)	MAX. SAT. RES. (Ω)	tr (s)	STRUC-TURE	DWG # Y200 s/a TO200 Ser.	C O D E	
						Ic (A)	Ib (A)	Vcbo (V)	Vbeo (V)	Vceo (V)		Vcb (V)	Ic (A)									MIN
1#	BD241B#f	2.0	2.0	*\$	5.0	1.0				80	200ns	100	500m	20		3.0M\$Δ			E	Y220b		
2#	BD241C#f	2.0	2.0	*\$	5.0	1.0				100	200ns	100	500m	20		3.0M\$Δ			E	Y220b		
3#	BD243C	65	6.5	\$J	6.0	2.0			45	5.0	45	70mΔ	4.00	30	30			E	Y220	D		
4#	BD243A#f	2.0	2.0	*\$	6.0	2.0			60	5.0	60	70mΔ	4.00	30	30			E	Y220	D		
5#	BD243B#f	65	6.5	*\$	6.0	2.0			60	5.0	60	400m\$	1.00	500m	20		3.0M\$Δ	E	Y220	D		
6#	BD243B	65	6.5	*\$	6.0	2.0			80	5.0	80	70mΔ	4.00	30	30			E	Y220	D		
7#	BD243B#f	2.0	2.0	*\$	6.0	2.0			80	5.0	80	400m\$	1.00	500m	20		3.0M\$Δ	E	Y220	D		
8#	BD243C	65	6.5	*\$	6.0	2.0			100	5.0	100	70mΔ	4.00	30	30			E	Y220	D		
9#	BD371A-6	1.2	1.2	\$J	1.5	1.5			45	5.0	45	100m	1.00	100m	40	100	50M\$Δ			T092		
10#	BD371A-10	1.2	1.2	\$J	1.5	1.5			45	5.0	45	100m	1.00	100m	63	160	50M\$Δ			T092		
11#	BD371A-16	1.2	1.2	\$J	1.5	1.5			45	5.0	45	100m	1.00	100m	100	250	50M\$Δ			T092		
12#	BD371B-6	1.2	1.2	\$J	1.5	1.5			60	5.0	60	100m	1.00	100m	40	100	50M\$Δ			T092		
13#	BD371B-10	1.2	1.2	\$J	1.5	1.5			60	5.0	60	100m	1.00	100m	63	160	50M\$Δ			T092		
14#	BD371B-16	1.2	1.2	\$J	1.5	1.5			60	5.0	60	100m	1.00	100m	100	250	50M\$Δ			T092		
15#	BD371C-6	1.2	1.2	\$J	1.5	1.5			80	5.0	80	100m	1.00	100m	40	100	50M\$Δ			T092		
16#	BD371C-10	1.2	1.2	\$J	1.5	1.5			80	5.0	80	100m	1.00	100m	63	160	50M\$Δ			T092		
17#	BD371C-16	1.2	1.2	\$J	1.5	1.5			45	5.0	45	100m	1.00	100m	40	100	50M\$Δ			T092		
18#	BD373A-10	1.2	1.2	\$J	1.5	1.5			45	5.0	45	100m	1.00	100m	63	160	50M\$Δ			T092		
19#	BD373A-16	1.2	1.2	\$J	1.5	1.5			45	5.0	45	100m	1.00	100m	100	250	50M\$Δ			T092		
20#	BD373B-6	1.2	1.2	\$J	1.5	1.5			60	5.0	60	100m	1.00	100m	40	100	50M\$Δ			T092		
21#	BD373B-10	1.2	1.2	\$J	1.5	1.5			60	5.0	60	100m	1.00	100m	63	100	50M\$Δ			T092		
22#	BD373B-16	1.2	1.2	\$J	1.5	1.5			60	5.0	60	100m	1.00	100m	100	250	50M\$Δ			T092		
23#	BD373C-6	1.2	1.2	\$J	1.5	1.5			80	5.0	80	100m	1.00	100m	40	100	50M\$Δ			T092		
24#	BD373C-10	1.2	1.2	\$J	1.5	1.5			80	5.0	80	100m	1.00	100m	63	160	50M\$Δ			T092		
25#	BD415	2.0	2.0	\$J	1.0	1.0			80	5.0	80	50m	1.00	80	300	75M\$Δ			PE	Y220b	B	
26#	BD417	2.0	2.0	\$J	1.0	1.0			80	5.0	80	50m	1.00	80	300	75M\$Δ			PE	Y220b	B	
27#	BD424	2.5	2.5	\$J	800m	800m			5.0	100	100n	100m	40			100M\$Δ			PE	Y202c	B	
28#	BD429	1.0	1.0	\$J	3.0	3.0			5.0	20	10u	500m	85	375	130M\$			PE	Y202c	B		
29#	BD533	50	5.0	\$J	4.0	4.0	1.0	45	5.0	45	5.0	2.0	2.0	25		3.0M\$Δ			E	Y220a	BB	
30#	BD533C	50	5.0	\$J	4.0	4.0			45	5.0	45	2.0	2.0	25		3.0M\$Δ			E	Y220b	BB	
31#	BD533J	50	5.0	\$J	4.0	4.0			45	5.0	45	2.0	2.0	30	75	8.0M\$			E	Y220		
32#	BD533K	50	5.0	\$J	4.0	4.0			45	5.0	45	2.0	2.0	40	100	8.0M\$			E	Y220		
33#	BD533L	50	5.0	\$J	4.0	4.0			45	5.0	45	2.0	2.0	60	150	8.0M\$			E	Y220		
34#	BD535	50	5.0	\$J	4.0	4.0	1.0	60	5.0	60	2.0	2.0	25			3.0M\$Δ			E	Y220a	B	
35#	BD535C	50	5.0	\$J	4.0	4.0			60	5.0	60	2.0	2.0	25		3.0M\$Δ			E	Y220b	B	
36#	BD535J	50	5.0	\$J	4.0	4.0			60	5.0	60	2.0	2.0	30	75	4.0M\$			E	Y220		
37#	BD535K	50	5.0	\$J	4.0	4.0			60	5.0	60	2.0	2.0	40	100	4.0M\$			E	Y220		
38#	BD537	50	5.0	\$J	4.0	4.0	1.0	80	5.0	80	2.0	2.0	25			3.0M\$Δ			E	Y220a	B	
39#	BD537C	50	5.0	\$J	4.0	4.0			80	5.0	80	2.0	2.0	15		3.0M\$Δ			E	Y220b	B	
40#	BD611	15	1.5	\$J	4.0	4.0			22	5.0	22	100u	1.00	500m	85		3.0M\$Δ			E	Y202c	B
41#	BD613	15	1.5	\$J	4.0	4.0			32	5.0	32	100u	1.00	500m	85		3.0M\$Δ			E	Y202c	B
42#	BD615	15	1.5	\$J	4.0	4.0			45	5.0	45	100u	1.00	500m	85		3.0M\$Δ			E	Y202c	B
43#	BD617	15	1.5	\$J	4.0	4.0			60	5.0	60	100u	1.00	500m	40		3.0M\$Δ			E	Y202c	B
44#	BD619	15	1.5	\$J	4.0	4.0			80	5.0	80	100u	1.00	500m	40		3.0M\$Δ			E	Y202c	B
45#	BD633	30	3.0	\$J	2.0	2.0			45	5.0	45	2.0	1.0	25		3.0M\$Δ			E	Y220b	B	
46#	BD635	30	3.0	\$J	2.0	2.0			60	5.0	60	2.0	1.0	25		3.0M\$Δ			E	Y220b	B	
47#	BD637	30	3.0	\$J	2.0	2.0			80	5.0	80	2.0	1.0	25		3.0M\$Δ			E	Y220b	B	
48#	BD795	65	6.5	\$J	4.5	4.5			2.0	3.0	2.0	3.0	25			8.0M\$			E	Y220b	B	
49#	BD797	65	6.5	\$J	4.5	4.5			2.0	3.0	2.0	3.0	25			4.0M\$			E	Y220b	B	
50#	BD799	65	6.5	\$J	4.5	4.5			2.0	3.0	2.0	3.0	15			4.0M\$			E	Y220b	B	
51#	BD801	65	6.5	\$J	4.5	4.5			100	5.0	100	2.0	3.0	15		4.0M\$			E	Y220b	B	
52#	BD825.6	8.0	8.0	\$J	1.5	0.2	45	5.0	45	5.0	45	100n	2.0	5.0m	25		50M\$Δ	EPLT	Y202	B		
53#	BD825.10	8.0	8.0	\$J	1.5	0.2	45	5.0	45	5.0	45	100n	2.0	5.0m	25		50M\$Δ	EPLT	Y202	B		
54#	BD825.16	8.0	8.0	\$J	1.5	0.2	45	5.0	45	5.0	45	100n	2.0	5.0m	25		50M\$Δ	EPLT	Y202	B		
55#	BD845	2.0	2.0	\$J	1.5		100	5.0	100	5.0	1.0	5.0	150m	40	250	150M\$			E	Y202c	A	
56#	BD847	2.0	2.0	\$J	1.5		120	5.0	120	5.0	1.0	5.0	150m	40	250	150M\$			E	Y202c	A	
57#	BD849	2.0	2.0	\$J	1.5		140	5.0	140	5.0	1.0	5.0	150m	40	250	150M\$			E	Y202c	A	
58#	BDT29	30	3.0	\$J	3.0	400m	40	5.0	40	5.0	40	300mΔ	4.0	1.0	15	75	3.0M\$	30u	PE	Y220a	D	
59#	BDT29A	30	3.0	\$J	3.0	400m	40	5.0	40	5.0	40	300mΔ	4.0	1.0	15	75	3.0M\$	30u	PE	Y220a	D	
60#	BDT29B	30	3.0	\$J	3.0	400m	40	5.0	40	5.0	40	300mΔ	4.0	1.0	15	75	3.0M\$	30u	PE	Y220a	D	
61#	BDT29C	30	3.0	\$J	3.0	400m	100	5.0	100	5.0	100	300mΔ	4.0	1.0	15	75	3.0M\$	30u	PE	Y220a	D	
62#	BDT31	40	4.0	\$J	3.0	1.0	45	5.0	45	5.0	45	300mΔ	4.0	3.0	10	50		30u	PE	Y220a	D	
63#	BDT31A	40	4.0	\$J	3.0	1.0	60	5.0	60	5.0	60	300mΔ	4.0	3.0	10	50		30u	PE	Y220a	D	
64#	BDT31B	40	4.0	\$J	3.0	1.0	80	5.0	80	5.0	80	300mΔ	4.0	3.0	10	50		30u	PE	Y220a	D	
65#	BDT31C	40	4.0	\$J	3.0	1.0	100	5.0	100	5.0	100	300mΔ	4.0	3.0	10	50		30u	PE	Y220a	D	
66#	BDT41	65	6.5	\$J	6.0	3.0	40	5.0	40	5.0	40	700m	4.0	3.0	15	75	3.0M\$	60u	PE	Y220a	D	
67#	BDT41A	65	6.5	\$J	6.0	3.0	60	5.0	60	5.0	60	700m	4.0	3.0	15	75	3.0M\$	60u	PE	Y220a	D	
68#	BDT41B	65	6.5	\$J	6.0	3.0	80	5.0	80	5.0	80	700m	4.0	3.0	15	75	3.0M\$	60u	PE	Y220a	D	
69#	BDT41C	65	6.5	\$J	6.0	3.0	100	5.0	100	5.0	100	700m	4.0	3.0	15	75	3.0M\$	60u	PE	Y220a	D	
70#	BDW25.4	26	2.6	*\$	5.0	0.5	130	5.0	125	1.0	1.0	1.0	1.0	25	60	30M\$Δ	1.0u	EPLA	F9a	C		
71#	BDW25.6	26	2.6	*\$	5.0	0.5	130	5.0	125	1.0	1.0	1.0	1.0	40	100	30M\$Δ	1.0u	EPLA	F9a	C		
72#	BDW25.10	26	2.6	*\$	5.0	0.5	130	5.0	125	1.0	1.0	1.0	1.0	63	160	30M\$Δ	1.0u	EPLA	F9a	C		
73#	BDX24	29	2.9	\$J	4.0				40				1.5	25	100	1.0M\$		</				