

**POWER BIPOLAR**

350 / 650 V VCBO RANGE

I <sub>C</sub> (A)	V <sub>CB0</sub> (V)	V <sub>CEO</sub> (V)	P <sub>tot</sub> (W)	Package	Type NPN	V <sub>CE (sat)</sub> @		I <sub>C</sub> (A)	I <sub>B</sub> (A)	t <sub>r</sub> + t <sub>f</sub> (1) max (μs)	t <sub>sj</sub> t <sub>s</sub> max (μs)	t <sub>fi</sub> t <sub>f</sub> max (μs)
						max (V)						
4	600	300	75	TO 220	MJE 13004	1		4	1	0.7	3.5* (1)	0.9 * (1)
8	450	300	100	TO 220	2N 6928	1		8	1.6	0.5	3.5	0.4
8	450	300	150	TO 3	2N 6671	2		8	4	0.5	4 *	0.8 *
8	550	350	100	TO 220	2N 6929	1		8	1.6	0.5	3.5	0.4
8	550	350	150	TO 3	2N 6672	2		8	4	0.5	4 *	0.8 *
8	600	300	80	TO 220	MJE 13006	1.5		5	1	1	3 * (1)	0.7 * (1)
8	650	400	100	TO 220	2N 6930	1		8	1.6	0.5	3.5	0.4
8	650	400	150	TO 3	2N 6673	1		5	1	0.5	4 *	0.8 *
10	450	300	150	SOT 93	2N 6931	1		10	2	0.7	3.5	0.4
10	650	400	150	SOT 93	2N 6932	1		10	2	0.7	3.5	0.4
12	350	250	75	TOP 3 I	BUW 92 I	0.9		5	0.5	0.4	2.4	0.4
12	350	250	120	TO 3	BUV 42	1.2		6	0.75	0.4	2.4	0.4
12	350	250	125	SOT 93	BUW 92	0.9		5	0.5	0.4	2.4	0.4
12	400	300	120	TO 3	BUV 42 A	0.9		4	0.4	—	3	0.4
12	400	200	85	TO 220	BUV 28	1.5		6	0.6	1 *	1.5* (1)	0.25* (1)
12	600	300	100	TO 220	MJE 13008	1.5		8	1.6	1	3 * (1)	0.7 * (1)
15	350	300	175	SOT 93	2N 6933	1		15	3	0.7	3.5	0.4
15	400	300	125	TO 220	BUT 62	0.9		10	1	—	2.2	0.4
15	400	350	175	SOT 93	2N 6934	1		15	3	0.7	3.5	0.4
15	450	300	175	TO 3	2N 6674	5		15	5	0.6	4 *	1 *
15	450	300	175	TO 3	2N 6676	1		15	3	0.6	4 *	1 *
15	450	400	175	SOT 93	2N 6935	1		15	3	0.7	3.5	0.4
15	550	350	175	TO 3	2N 6677	1		15	3	0.6	4 *	1 *
15	650	400	175	TO 3	2N 6675	5		15	5	0.6	4 *	1 *
15	650	400	175	TO 3	2N 6678	5		15	3	0.6	4 *	1 *
16	600	400	90	TOP 3 I	BUD 48 DI (2)	1.6		10	0.5	—	3.6	0.4
20	350	250	50	ISOWATT 218	BUW 52 FI	0.9		8	0.8	0.6	2.4	0.4
20	350	250	150	SOT 93	BUW 52	0.9		8	0.8	0.6	2.4	0.4
20	350	250	150	TO 3	BUV 52	1.2		12	1.5	0.6	2.4	0.4
20	400	300	150	TO 3	BUV 52 A	0.9		7	0.7	—	3	0.4
20	450	400	350	TO 3	BUX 24	1		12	2.4	1.6*	3 * (1)	1.4 * (1)
30	400	325	350	TO 3	BUX 23	1		16	3.2	1.3*	2.5* (1)	1.2 * (1)
40	350	250	250	TO 3	BUV 62	1.2		24	3	0.6	2.5	0.4
40	400	300	250	TO 3	BUV 62 A	0.9		15	1.5	—	3	0.4
40	400	300	100	TOP 3 I	BUW 62 I	0.9		15	1.5	—	3	0.4
40	400	300	115	TOP 3 I	BUT 72 I	0.9		30	3	—	3	0.4
40	400	300	175	SOT 93	BUW 62	0.9		15	1.5	—	3	0.4
40	400	300	200	SOT 93	BUT 72	0.9		30	3	—	3	0.4
45	450	850	300	TO 3	BUX 348	0.9		30	6	—	4.5	0.4
50	350	250	250	TO 3	BUT 92	1.2		35	3.5	—	3	0.4
50	400	300	250	TO 3	BUT 92 A	0.9		30	3	—	3	0.4
50	400	300	300	TO 3	BUT 102	0.9		40	4	—	3	0.4
60	350	250	350	TO 3	BUR 52	1.8		25	2	1	2 * (1)	0.6 * (1)

 For switching times, T<sub>j</sub> = 100°C unless otherwise specified.

 (1) T<sub>j</sub> = 25°C.

(2) Darlington.