

POWER BIPOLAR

700 / 1000 V VCBO RANGE

I _C (A)	V _{CBO} (V)	V _{CEO} (V)	P _{tot} (W)	Package	Type NPN	V _{CE (sat)} @		I _C (A)	I _B (A)	t _r (1) t _d + t _r [*] max (μs)	t _{st} (1) t _s [*] max (μs)	t _{fl} (1) t _f [*] max (μs)
						max (V)						
2	800	400	50	TO 220	BUX 84	1		1	0.2	0.5*	3.5* (1)	1.4* (1)
2	1000	450	50	TO 220	BUX 85	1		1	0.2	0.5*	3.5* (1)	1.4* (1)
4	700	400	75	TO 220	MJE 13005	1		4	1	0.7	3.5* (1)	0.9* (1)
4	850	400	75	TO 220	MJE 13005 A	1		4	1	0.7	3.5* (1)	0.9* (1)
4	850	400	70	TO 220	BUD 46 (2)	1.6		2.5	0.12	—	2.8	0.4
4	1000	450	70	TO 220	BUD 46 A (2)	1.6		2.5	0.12	—	2.8	0.4
5	850	400	70	TO 220	BUV 46	1.5		2.5	0.5	—	3	0.8
5	850	400	30	ISOWATT 220	BUV 46 FI	1.5		2.5	0.5	—	3	0.8
5	850	400	83	TO 220	BUT 11	1.5		3	0.6	—	4	0.8
5	850	400	35	ISOWATT 220	BUT 11 FI	1.5		3	0.6	—	4	0.8
5	1000	450	70	TO 220	BUV 46 A	1.5		2	0.4	—	3	0.8
5	1000	450	30	ISOWATT 220	BUV 46 AFI	1.5		2	0.4	—	3	0.8
5	1000	450	83	TO 220	BUT 11 A	1.5		2.5	0.5	—	4	0.8
5	1000	450	35	ISOWATT 220	BUT 11 AFI	1.5		2.5	0.5	—	4	0.8
6	800	375	75	TO 3	BU 326	3		4	1.25	0.5	3.5* (1)	0.5* (1)
6	900	400	75	TO 3	BU 326 A	3		4	1.25	0.5	3.5* (1)	0.5* (1)
7	1000	450	70	TO 220	BUV 56 A	1.2		4	0.8	—	3 * (1)	0.4* (1)
8	700	400	80	TO 220	MJE 13007	1.5		5	1	1	3 * (1)	0.7* (1)
8	850	400	80	TO 220	MJE 13007 A	1.5		5	1	1	3 * (1)	0.7* (1)
8	850	400	100	TO 220	BUD 47 (2)	1.6		5	0.25	—	3.2	0.4
9	850	400	125	TO 3	BUX 47	1.5		6	1.2	1	4 *	0.4*
9	850	450	50	ISOWATT 218	BUV 47 FI	1.5		5	1	1 *	4 *	0.4*
9	850	450	75	TOP 3I	BUV 47 I	1.5		5	1	1 *	4 *	0.4*
9	850	450	120	SOT 93	BUV 47	1.5		5	1	1 *	4 *	0.4*
9	1000	450	50	ISOWATT 218	BUV 47 AFI	1.5		5	1	1	4	0.4
9	1000	450	125	TO 3	BUX 47 A	1.5		5	1	1	4 *	0.4*
9	1000	450	75	TOP 3I	BUV 47 AI	1.5		5	1	1 *	4 *	0.4*
9	1000	450	120	SOT 93	BUV 47 A	1.5		5	1	1 *	4 *	0.4*
12	700	400	100	TO 220	MJE 13009	1.5		8	1.6	1	3 * (1)	0.7* (1)
12	850	400	100	TO 220	MJE 13009 A	1.5		8	1.6	1	3 * (1)	0.7* (1)
12	850	450	100	TO 220	BUV 66 A	1.2		6.5	1.3	—	3	0.4
15	850	400	50	ISOWATT 218	BUV 48 FI	1.5		10	2	1	5	0.4
15	850	400	125	SOT 3	BUV 48	1.5		10	2	1	5	0.4
15	850	400	175	TO 3	BUX 48	1.5		10	2	1	5	0.4
15	850	450	100	TO 220	BUV 66	1.2		8	1.6	—	3	0.4
15	850	450	100	TOP 3I	BUV 48 I	1.5		10	2	1	5 *	0.4*
15	1000	450	50	ISOWATT 218	BUV 48 AFI	1.5		8	1.6	1	5	0.4
15	1000	450	100	TOP 3I	BUV 48 AI	1.5		8	1.6	1	5	0.4
15	1000	450	125	SOT 93	BUV 48 A	1.5		10	2	1	5	0.4
15	1000	450	175	TOP 3	BUX 48 A	1.5		10	2	1	5	0.4
16	850	400	90	TOP 3I	BUD 48 I (2)	1.6		10	0.5	—	3.6	0.4
16	850	400	150	SOT 93	BUD 48 (2)	1.6		10	0.5	—	3.6	0.4
16	1000	450	90	TOP 3I	BUD 48 AI (2)	1.6		10	0.5	—	3.6	0.4
16	1000	450	150	SOT 93	BUD 48 A (2)	1.6		7.5	0.5	—	3.6	0.4
24	1000	450	115	TOP 3 I	BUX 98 API	1.2		16	3.2	—	4.5	0.4
24	1000	450	200	SOT 93	BUX 98 AP	1.2		16	3.2	—	4.5	0.4
30	1000	450	250	TO 3	BUX 98 A	1.5		16	3.2	1	4.5	0.4
32	850	400	110	TOP 3 I	BUD 98 I (2)	1.6		20	1	—	3.8	0.4
32	850	400	250	SOT 93	BUD 98 (2)	1.6		20	1	—	3.8	0.4
35	1000	450	300	TO 3	BUX 348 A	1.2		24	4.8	—	4.5	0.4

For switching times, T_j = 100°C, unless otherwise specified. (1) T_j = 25°C
(2) Darlington.

1200 V VCBO RANGE

I _C (A)	V _{CBO} (V)	V _{CEO} (V)	P _{tot} (W)	Package	Type	V _{CE (sat)} @		I _C (A)	I _B (A)	t _r (1) max (μs)	t _{st} (1) max (μs)	t _{fl} (1) max (μs)
						max (V)						
15	1200	700	50	ISOWATT 218	BUV 48 CF I	1.5		6	1.5	1	6	0.6
15	1200	700	100	TOP 3 I	BUV 48 CI	1.5		6	1.5	1	6	0.6
15	1200	700	120	SOT 93	BUV 48 C	1.5		6	1.5	1	6	0.6
15	1200	700	175	TO 3	BUV 48 C	1.5		6	1.5	1	6	0.6
30	1200	700	250	TO 3	BUX 98 C	1.5		12	3	1	6	0.6

For switching times, T_j = 100°C unless otherwise specified. (1) T_j = 25°C.