

TO-220 Type Power Transistor Selection Guide (Continued)

Part Number		I _C (A)	V _{CEO} (V)	h _{FE}		@		Max V _{CE} (SAT)		P _D (W)	f _T (MHz)	Process (NPN/PNP)
NPN	PNP			Min	Max	I _C (A)	V _{CE} (V)	(V)	@ I _C (A)			
2N6130	2N6133	7	60	20	100	2.5	4	1.4	7	50	2.4	4E/5E
2N5496		7	70	20	100	3.5	4	1	0.35	50	0.8	4E
2N6292	2N6107	7	70	30	150	2	4	1	2	40	4	4E/5E
2N6131	2N6134	7	80	20	100	2.5	4	2	7	50	2.5	4E/5E
2N6386		8	40	1000	20,000	3	3	2	3	40	20	4J
BD347	BD346	8	60	40	140	2	2.5	0.6	4	60	4	4A/5A
D44H1	D45H1	10	30	35		2	1	1	8	50	50	4Q/5Q
D44H2	D45H2	10	30	60		2	1	1	8	50	50	4Q/5Q
D44H4	D45H4	10	45	35		2	1	1	8	50	50	4Q/5Q
D44H5	D45H5	10	45	60		2	1	1	8	50	50	4Q/5Q
2N6099		10	60	20	80	4	4	2.5	10	75	0.8	4A
D44H7	D45H7	10	60	35		2	1	1	8	50	50	4Q/5Q
D44H8	D45H8	10	60	60		2	1	1	8	50	50	4Q/5Q
SE9300	SE9400	10	60	1000		4	3	2	4	70	1	4K/5K
2N6101		10	70	20	80	5	4	2.5	10	75	0.8	4A
D44H10	D45H10	10	80	35		2	1	1	8	50	50	4Q/5Q
D44H11	D45H11	10	80	60		2	1	1	8	50	50	4Q/5Q
MJE2801T	MJE2901T	10	60	25	100	3	2			60		4A/5A
MJE3055T	MJE2955T	10	60	20	70	4	4	1.1	4	60	2	4A/5A
TIP100	TIP105	10	60	1000		3	4	2	3	60		4K/5K
TIP101	TIP106	10	80	1000		3	4	2	3	60		4K/5K
TIP102	TIP107	10	100	1000		3	4	2	3	60		4K/5K
SE9301	SE9401	10	80	1000		4	3	2	4	70	1	4K/5K
SE9302	SE9402	10	100	1000		4	3	2	4	70	1	4K/5K
2N6486	2N6489	15	40	20	150	5	4	1.3	5	75	5	4A/5A
2N6487	2N6490	15	60	20	150	5	4	1.3	5	75	5	4A/5A
2N6488	2N6491	15	80	20	150	5	4	1.3	5	75	5	4A/5A

Pinout: BCE

NPN Transistors



POWER (Continued)

Type No.	Case Style	V _{CBO} (V) Min	V _{CEO} (V) Min	V _{EB0} (V) Min	I _{CEX} ⁺ I _{CEB} ⁺ I _{CBO} (μA) Max @ V _{CB} (V)	h _{FE} Min Max @ I _C (A) & V _{CE} (V)	V _{CE} (SAT) (V) Max & V _{BE} (SAT) (V) Min Max @ I _C (A)	C _{ob} (pF) Max	f _T (MHz) Min Max @ I _C (A)	Process No.
MJE3439	TO-126		360		20 360	30 40 160 0.002 10 0.02 10	0.5 1.3 0.05	10	15 0.01	36
MJE3440	TO-126		250		20 250	30 40 160 0.002 10 0.02 10	0.5 1.3 0.05	10	15 0.01	36
MJE180	TO-126		40		0.1 60	50 30 12 250 0.1 0.5 1.5 1 1	0.3 0.9 1.7 1.5 2.0 0.5 1.5 3.0	30	50 50 0.05 0.1	37
MJE720	TO-126		40		100* 40	40 20 8 0.15 0.5 1 1	0.15 0.4 1.0 0.15 0.5 1.5			37
MJE181	TO-126		60		0.1 80	50 30 12 250 0.1 0.5 1.5 1 1	0.3 0.9 1.7 0.5 1.5 3.0	30	50 0.1	38
MJE182	TO-126 (58)		80		100 100	50 30 12 250 100 500 1.5A 1 1	0.3 0.9 1.7 2.0 500 1.5A 3A	30	50 0.1	39
2N6099	TO-220		60		2 mA 50	20 5 80 4 10 4	2.5 10			4A
2N6101	TO-220		70		2 mA 60	20 5 80 5 10 4	2.5 10			4A
2N6103	TO-220		40		2 mA 40	15 5 60 8 16 4	2.5 16			4A
2N6486	TO-220		40		100 35	20 15 150 5 15 4	1.3 3.5 5 15		5 1	4A
2N6487	TO-220		60		100 55	20 15 150 5 15 4	1.3 3.5 5 15		5 1	4A
2N6488	TO-220		80		100 75	20 15 150 5 15 4	1.3 3.5 5 15		5 1	4A
MJE2801T	TO-220		60			25 100 3 2				4A
MJE3055T	TO-220		60		1 mA 70	20 5 70 4 10 4	1.1 8 4 10			4A
TIP41	TO-220		40		400* 40	30 15 75 0.3 3 4	1.5 6			4A
TIP41A	TO-220		60		400* 60	30 15 75 0.3 3 4	1.5 6			4A
TIP41B	TO-220		80		400* 80	30 15 75 0.3 3 4	1.5 6			4A
TIP41C	TO-220		100		400* 100	30 15 75 0.3 3 4	1.5 6			4A