

NPN Transistors



DARLINGTON (Continued)

Type No.	Case Style	V _{CB0} (V) Min	V _{CE0} (V) Min	V _{EB0} (V) Min	I _{CES} * I _{CB0} (μA) Max	@ V _{CB} (V)	h _{FE} Min	Max	I _C (mA) @	V _{CE} (V) @	V _{CE(SAT)} (V) Max	& V _{BE(SAT)} (V) Min	I _C (mA) Max	C _{ob} (pF) Max	f _T (MHz) Min	Max	I _C (mA) @	Process No.
SE9301	TO-220		80	4			750 1000 100		1 4 7.5	3 3 3								4K
SE9302	TO-220		100	4			750 1000 100		1 4 7.5	3 3 3								4K
TIP100	TO-220	60			50	40	1000 200	20,000	3 8	4 4	2.0 2.5		3 8					4K
TIP101	TO-220	80			50	60	1000 200	20,000	3 8	4 4	2.0 2.5		3 8					4K
TIP102	TO-220	100			50	80	1000 200	20,000	3 8	4 4	2.0 2.5		3 8					4K
TIP130	TO-220		60		200	60	1000 500	15,000	4 1	4 4	2.0 3.0		4 6					4K
TIP131	TO-220		80		200	60	1000 500	15,000	4 1	4 4	2.0 3.0		4 6					4K
TIP132	TO-220		100		200	100	1000 500	15,000	4 1	4 4	2.0 3.0		4 6					4K

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