

TO-237 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 (mA)	V _{CE} (V)	(V)	@ I _C (mA)			
2N6714/ 92PU01	2N6726/ 92PU51	2	30	60 55		100 1000	1 1	0.5 1	1000 1000		50	37/77
2N6715/ 92PU01A	2N6727/ 92PU51A	2	40	60 55		100 1000	1 1	0.5 1	1000 1000		50	37/77
2N6724/ 92PU45		2	40	25k 4k		200 1000	5 5	1 1.5	200 1000	*	100	05
2N6705/ 92PE37A	2N6708/ 92PE77A	2	45	40		500	2	0.5	500		50	38/78
2N6725 92PU45A		2	50	25k 4k		200 1000	5 5	1 1.5	200 1000		100	05
2N6706/ 92PE37B	2N6709/ 92PE77B	2	60	40		500	2	0.5	500		50	38/78
2N6716/ 92PU05	2N6728/ 92PU55	2	60	20		500	1	0.35	250		50	38/78
2N6731/ 92PU100	2N6732/ 92PU200	2	80	100 300		350	2	0.35	350	*	50	39/79
2N6707/ 92PE37C	2N6710/ 92PE77C	2	80	40		500	2	0.5	500		50	39/79
2N6717/ 92PU06	2N6720/ 92PU56	2	80	20		500	1	0.35	250		50	39/79

Pinout: 92PE ECB
 92PU, TN EBC

*All TO-237: 850 mW, free air (T_A = 25°C)
2.0W, collector lead at 25°C
1W-1.2W mounted flush in PC board



DARLINGTON

Type No.	Case Style	V _{CBO} (V) Min	V _{CEO} (V) Min	V _{EB0} (V) Min	I _{CES} * I _{CBO} (μA) Max @ V _{CB} (V)	h _{FE} Min Max @ I _C (mA) @ V _{CE} (V)	V _{CE} (SAT) (V) & V _{BE} (SAT) (V) Max Min Max @ I _C (mA)	C _{ob} (pF) Max	f _T (MHz) Min Max @ I _C (mA)	Process No.
2N5305	TO-92 (94)				0.1 25	2000 20,000 2 5	1.4 200	10	60 2	05
2N5306	TO-92 (94)				0.1 25	7000 70,000 2 5	1.4 200	10	60 2	05
2N5307	TO-92 (94)				0.1 40	2000 20,000 2 5	1.4 200	10	60 2	05
2N5308	TO-92 (94)				0.1 40	7000 70,000 2 5	1.4 200	10	60 2	05
2N6426	TO-92 (92)	40	40	12	0.05 30	20,000 200,000 10 5 30,000 300,000 100 5 20,000 300,000 500 5	1.2 50 1.5 2 500	7	150 10	05
2N6427	TO-92 (92)	40	40	12	0.05 30	10,000 100,000 10 5 20,000 200,000 100 5 14,000 140,000 500 5	1.2 50 1.5 2 500	7	130 10	05
2N6548	TO-202 (55)	50	40	12	0.1 30	25,000 150,000 200 5 15,000 500 5 5000 1A 5	7	1	200	05
2N6549	TO-202 (55)	50	40	12	0.1 30	15,000 150,000 200 5 10,000 500 5 3000 1A 5	7	1	200	05
2N6724	TO-126	50		12		25,000 200 5 15,000 500 5 4000 40,000 1A 5	1.0 200		1 10 200	05
2N6725	TO-126	60		12	0.1 40	25,000 200 5 15,000 500 5 4000 40,000 1A 5	1.0 200		1 10 200	05
92PU45	TO-237 (91)	50		12	0.1 30	4000 1A 5 15,000 500 5 25,000 200 5	1.5 2.0 1A 1.0 200		100 200	05
92PU45A	TO-237 (91)	60		12	0.1 40	4000 1A 5 15,000 500 5 25,000 200 5	1.5 2.0 1A 1.0 200		100 200	05
D40C1	TO-202 (55)		30		0.5* 30	10,000 60,000 200 5	1.5 2.0 500	10		05
D40C2	TO-202 (55)		30		0.5* 30	40,000 200 5	1.5 2.0 500	10		05
D40C3	TO-202 (55)		30		0.5* 30	90,000 200 5	1.5 2.0 500	10		05
D40C4	TO-202 (55)		40		0.5* 40	10,000 60,000 200 5	1.5 2.0 500	10		05

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NPN Transistors