

TO-202 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)			
NSDU01	NSDU51	2	30	60		0.1	1	0.5	1	1.75	50	37/77
NSD151		2	30	10k	250k	0.1	5	1.5	0.1	1.75	100	05
NSD153		2	30	5k		0.1	5	1.5	0.1	1.75	100	05
D40E1	D41E1	2	30	50		0.1	2	1	1	1.3		37/77
D40K1	D41K1	2	30	10k		0.2	5	1.5	1.5	1.67	75	05/61
D40K3	D41K3	2	30	10k		0.2	5	1.5	1.0	1.67	75	05/61
NSDU01A	NSDU51A	2	40	60		0.1	1	0.5	1	1.75	50	37/77
NSDU02	NSDU52	2	40	50	300	0.15	10	0.4	0.15	1.75	50	37/77
2N6548		2	40	15k		0.2	5	1.5	1	1.75	100	05
2N6549		2	40	25k		0.2	5	1.5	1	1.75	100	05
NSDU45		2	40	25k	150k	0.2	5	1	0.2	1.75	100	05
NSD152		2	40	10k	250k	0.1	5	1.5	1	1.75	100	05
NSD154		2	40	5k		0.1	5	1.5	1	1.75	100	05
D40K2	D41K2	2	50	10k		0.2	5	1.5	1.5	1.67	75	05/61
D40K4	D41K4	2	50	10k		0.2	5	1.5	1.0	1.67	75	05/61
NSDU45A		2	50	25k	150k	0.2	5	1	0.2	1.75	100	05
NSDU05	NSDU55	2	60	80		0.05	1	0.5	0.25	1.75	50	38/78
D40E5	D41E5	2	60	50		0.1	2	1	1	1.3		38/78
NSDU06	NSDU56	2	80	80		0.05	1	0.5	0.25	1.75	50	39/79
D40E7	D41E7	2	80	50		0.1	2	1	1	1.3		38/78
NSDU07	NDSU57	2	100	80		0.05	1	0.5	0.25	1.75	50	39/79
D42C1	D43C1	3	30	25		0.2	1	0.5	1	2.1	50	4P/5P
D42C2	D43C2	3	30	100	220	0.2	1	0.5	1	2.1	50	4P/5P
D42C3	D43C3	3	30	40	120	0.2	1	0.5	1	2.1	50	4P/5P
D42C4	D43C4	3	45	25		0.2	1	0.5	1	2.1	50	4P/5P
D42C5	D43C5	3	45	100	220	0.2	1	0.5	1	2.1	50	4P/5P
D42C6	D43C6	3	45	40	120	0.2	1	0.5	1	2.1	50	4P/5P
D42C7	D43C7	3	60	25		0.2	1	0.5	1	2.1	50	4P/5P
D42C8	D43C8	3	60	100	220	0.2	1	0.5	1	2.1	50	4P/5P
D42C9	D43C9	3	60	40	120	0.2	1	0.5	1	2.1	50	4P/5P
D42C10	D43C10	3	80	25		0.2	1	0.5	1	2.1	50	4P/5P
D42C11	D43C11	3	80	100	220	0.2	1	0.5	1	2.1	50	4P/5P
D42C12	D43C12	3	80	40	120	0.2	1	0.5	1	2.1	50	4P/5P

Pinout: EBC, NSDU, NSD, D40, D41
BCE, NSE, D42, D43

PNP Transistors



MEDIUM POWER (Continued)

Type No.	Case Style	V _{CB0} (V) Min	V _{CEO} (V) Min	V _{EBO} (V) Min	I _{CES} ⁺ I _{CB0} (mA) @ Max	V _{CB} (V)	h _{FE}			I _C (mA) & V _{CE} (V)	V _{CE(SAT)} (V) & V _{BE(SAT)} (V)			I _C (mA)	C _{ob} (pF) Max	f _T (MHz)		t _{off} (ns) Max	NF (dB) Max	Test Conditions	Process No.	
							Min	Max	@		Max	Min	Max			@	Min					Max
TN3245	TO-237 (91)	50	50	5	50	50	35	150	1	0.35	1.1	150	25	150	50					70		
							30	90	500	1	0.6	0.75									1.5	500
							20		1A	5	1.2	2.0									1A	
TN3467	TO-237 (91)	40	40	5	100	30	40	150	1	0.3	1.0	150	25	175	50				70			
							40	120	500	1	0.5	0.8								1.2	500	
							40		1A	5	1.0	1.6								1A		
TN5022	TO-237 (91)	50	50	5			15	100	1	0.2	1.0	100	25	170	50	90		6	70			
							25	100	500	1	0.4	0.8								1.4	500	
							25		1A	5	0.8	1.75								1A		
TN5023	TO-237 (91)	30	30	5			30	100	1	0.17	1.0	100		200	50	90		6	70			
							40	100	500	1	0.35	0.8								1.4	500	
							40		1A	5	0.7	1.75								1A		
NSE872	TO-202 (51)	300	300		100	200	50	25	20					60	10					76		
2N6726	TO-237 (91)	40	30	5	100	40	55	10	1	0.5		1A		50	50				77			
							60		100											1		
							50	200	1A											1		
2N6727	TO-237 (91)	50	40	5	100	50	55	10	1	0.5		1A		50	500	50				77		
							60		100												1	
							50	250	1A												1	
92PU51	TO-237 (91)		30		100	40	50	1A	1	0.5		1A	30	50	50					77		
							60		100												1	
							55		10												1	
92PU51A	TO-237 (91)		40		100	50	50	1A	1	0.5		1A	30	50	50					77		
							60		100												1	
							55		10												1	
NSD202	TO-202 (55)	60	45	5	100	60	25	1A	5	0.2	0.9	100	30	60	50					77		
							40		500												5	
							50	150	100												5	
							40		10												5	
NSD203	TO-202 (55)	60	45	5	100	60	30	1A	5	0.2	0.9	100	30	60	50					77		
							50		500												5	
							120	360	100												5	
							50		10												5	
NSDU51	TO-202 (55)	40	30	5	100	30	50	1A	1	0.7		1A	30	50	50					77		
							60		100												1	
							55		10												1	
NSDU51A	TO-202 (55)	50	40	5	100	40	50	1A	1	0.7		1A	30	50	50					77		
							60		100												1	
							55		10												1	