



MEDIUM POWER (Continued)

Type No.	Case Style	VCBO (V) Min	VCER* VCEO (V) Min	VEBO (V) Min	ICES* ICBO (nA) @ VCB (V) Max	hFE @ IC & VCE				VCE(SAT) & VBE(SAT) @ IC			Cob (pF) Max	fT (MHz) @ IC			toff (ns) Max	NF (dB) Max	Test Conditions	Process No.
						Min	Max	Min	Max	Min	Max	Min		Max	Min	Max				
NSDU02	TO-202 (55)	60	40	5	100 40	60		10	10	0.4	1.3	150	20	50	20				37	
						50	300	150	10											
						30		500	10											
NSE180	TO-202 (55)		40		100 60	50	250	100	1	0.3		500		50	100				37	
						30		500	1											
						12		1A	1.5											
2N5449	TO-92 (97)	50	30	5	100 20	100	300	50	2	0.6		100		5	50				38	
2N6551	TO-202 (55)	60	60	5	100 40	60		10	1	0.5		500							38	
						80	250	50	1											
						60		250	1											
2N6552	TO-202 (55)	80	80	5	100 60	60		10	1	1.0		1A		75	250	100			38	
2N6705	TO-237 (90)	60	45	5	100 60	40		50	2	0.5		500		50	400	200			38	
2N6706	TO-237 (90)	80	60	5	100 80	40		50	2	0.5		500		50	400	200			38	
2N6707	TO-237 (90)	100	80	5	100 100	40		50	2	0.5		500		50	400	200			38	
2N6715	TO-237 (91)	50	40	5	100 50	40		10	1	0.5		1A		50	400	50			38	
2N6716	TO-237 (91)	60	60	5	100 40	80		50	1	0.35		250		50	500	50			38	
92PE37A	TO-237 (90)		45		100 60	25		50	2	0.5		500	30	50	200				38	
92PE37B	TO-237 (90)		60		100 80	25		50	2	0.5		500	30	50	200				38	
92PE37C	TO-237 (90)		80		100 100	25		50	2	0.5		500	30	50	200				38	

1-35



NPN Transistors

TO-237 Type Power Transistor Selection Guide (Continued)

Part Number		I _C (A)	V _{CE0} (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		100	1	0.5	1000		50	37/77
				55		1000	1					
2N6715/ 92PU01A	2N6727/ 92PU51A	2	40	60		100	1	0.5	1000		50	37/77
				55		1000	1					
2N6724/ 92PU45		2	40	25k		200	5	1	200	*	100	05
				4k		1000	5	1.5	1000			
2N6705/ 92PE37A	2N6708/ 92PE77A	2	45	40		500	2	0.5	500		50	38/78
2N6725/ 92PU45A		2	50	25k		200	5	1	200		100	05
				4k		1000	5	1.5	1000			
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