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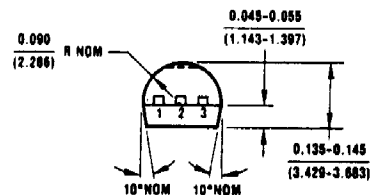
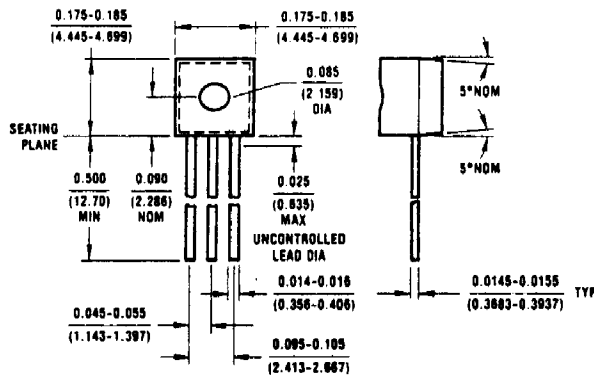
NPN Transistors

General Purpose Amplifiers and Switches (Continued)

Type No.	Case Style	V _{CB0} (V) Min	V _{CE0} (V) Min	V _{EB0} (V) Min	I _{CB0} (nA) @ V _{CB} (V)	h _{FE}			V _{CE(SAT)} (V) Max	V _{BE(SAT)} (V) @ I _C (mA)		C _{ob} (pF) Max	f _T (MHz) @ I _C (mA)		t _{off} (ns) Max	NF (dB) Max	Test Conditions	Process No.				
						Min	Max	@ I _C (mA)		Min	Max		Min	Max					Min	Max		
2N4401	TO-92 (92)	60	40	6		40	500	2	0.4	0.75	0.95	6.5	250	20	255		(Note 2)	13				
						100	300	150											1			
						80		10											1	0.75	1.2	500
						40		1											1			
20		100 μA	1																			
2N4944	TO-92 (92)	80	40	5	50 40	40	120	150	1	0.25		150	60	900	50			13				
2N4946	TO-92 (92)	80	40	5	50 40	100	300	150	1	0.25		150	60	900	50			13				
2N4951	TO-92 (94)	60	30	5	50 40	60	200	150	10	0.3		1.3	150	8	250	20	400	(Note 2)	13			
2N4952	TO-92 (94)	60	30	5	50 40	100	300	150	10	0.3		1.3	150	8	250	20	400	(Note 2)	13			
2N4953	TO-92 (94)	60	30	5	50 40	200	600	150	10	0.3		1.3	150	8	250	20	400	(Note 2)	13			
2N4954	TO-92 (94)	40	30	5	50 30	60	600	150	10	0.3		1.3	150	8	250	20	400	(Note 2)	13			
2N5220	TO-92 (92)	15	15	3	100 10	30	600	50	10	0.5		1.1	150	10	100	20			13			
2N5225	TO-92 (92)	25	25	4	300 15	30	600	50	10	0.8		1.0	100	20					13			

TO-92

Pin	(92) STD	
	T	FET
1	C	G
2	B	S
3	E	D



NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However, NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.

Quality Semi-Conductors