

NPN Transistors



GENERAL PURPOSE AMPS AND SWITCHES (Continued)

Type No.	Case Style	V _{CB0} (V) Min	V _{CE0} (V) Min	V _{EB0} (V) Min	I _{CB0} (nA) @ Max	V _{CB} (V)	h _{FE} @ I _C & V _{CE} (V)			V _{CE(SAT)} (V) Max	V _{BE(SAT)} (V) Min	V _{BE(SAT)} (V) Max	I _C (mA)	C _{ob} (pF) Max	f _T (MHz) Min	f _T (MHz) Max	I _C (mA)	t _{off} (ns) Max	NF (dB) Max	Test Conditions	Process No.
2N3947	TO-18	60	40	6			40	50	1	0.2	0.6	0.9	10	4	300		10	450	5	6/7	23
							100	300	1												
							90	1	1	0.3		1.0	50								
							60	100 μA	1												
2N4123	TO-92 (92)	40	30	5	50	20	25	50	1	0.3		0.95	50	4	250		10		6	7	23
							50	150	2												
2N4124	TO-92 (92)	30	25	5	50	20	60	50	1	0.3		0.95	50	4	300		10		5	7	23
							120	360	2												
MPS2711	TO-92 (92)	18	18	5	500	18	30	90	2	4.5				4							23
MPS2712	TO-92 (92)	18	18	5	500	18	75	225	2	4.5				4							23
MPS2716	TO-92 (92)	18	18	5	500	18	75	225	2	4.5				3.5							23
MPS2923	TO-92 (92)	25	25	5	500	25	90	180	2	10				12							23
								(1 kHz)													
MPS2924	TO-92 (92)	25	25	5	500	25	150	300	2	10				12							23
								(1 kHz)													
MPS2925	TO-92 (92)	25	25	5	500	25	235	470	2	10				12							23
								(1 kHz)													
MPS2926	TO-92 (92)	25	25	5	500	18	35	470	2	10				3.5							23
								(1 kHz) (5 Groups)													
MPS3642	TO-92 (92)	Same as PN3642, see page 1-22 for explanation																			23
MPS3721	TO-92 (92)				500	18	60	660	2	10				3.5							23
								(1 kHz)													
MPS3826	TO-92 (92)	60	45	4	100	30	40	160	10	10				3.5	200	800	10				23
MPS3827	TO-92 (92)	60	45	4	100	30	100	400	10	10				3.5	200	800	10				23
MPS6512	TO-92 (92)	40	30	4	50	30	30	100	10	0.5			50	3.5							23
							50	100	2												
MPS6513	TO-92 (92)	40	30	4	50	30	60	100	10	0.5			50	3.5							23
							90	180	2												
MPS6514	TO-92 (92)	40	25	4	50	30	90	100	10	0.5			50	3.5							23
							150	300	2												
MPS6515	TO-92 (92)	40	25	4	50	30	150	100	10	0.5			50	3.5							23
							250	500	2												