NPN Transistors

GENERAL PURPOSE AMPS AND SWITCHES

Type No.	Case Style	V_{CBO} (V) Min	V_{CEO} (V) Min	V_{EBO} (V) Min	I_{CBO} (nA) Max	@ V_{CB} (V)	h_{FE} Min	h_{FE} Max	@ I_C (mA)	& 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 Condition	Process No.
2N697	TO-5	60	40	5	100	30	40	120	150	10	1.5		1.3	150	35	50		50				20
2N699	TO-39	120		5	2	60	40	120	150	10	5		1.3	150	20	50		50				12
2N718	TO-18	60	40	5	100	30	40	120	150	10	1.5		1.3	150	35	50		15				20
2N915	TO-18	70	50	5	10	60	50	20	10	5	1		0.9	10	3.5	250		10				27
2N956	TO-18	75		7	10	60	20		0.01	10	1.5		1.3	150	25	70		50				20
							75		10	10												
							100	300	150	10												
							40		500	10												
2N1420	TO-5	60		5	1.0 μA	30	100	300	150	10	1.5		1.3	150	35	50		50				20
2N1613	TO-5	75	50	7	10	60	20		0.1	10	1.5		1.3	150	25	60		50		12	5	20
							35		10	10												
							40	120	150	10												
							20		500	10												
2N1711	TO-5	75		7	100	60	20		0.01	10	1.5		1.3	150	25	70		50				20
							75		10	10												
							100	300	150	10												
							40		500	10												
2N2218	TO-5	60	30	5	10	50	20		0.1	10	0.4		1.3	150	8	250		20				20
							35		10	10	1.6		2.6	500								
							40	120	150	10												
							20		500	10												
JAN2N2218	TO-5	60	30	5	10	50	20		0.1	10	0.4	0.6	1.3	150	8	250		20	250		1	20
							25		1	10	1.6		2.6	500								
							35		10	10												
							40	120	150	10												
							20		500	10												
JANTX2N2218	TO-5	60	30	5	10	50	20		0.1	10	0.4	0.6	1.3	150	8	250		20	250		1	20
							35		10	10	1.6		2.6	500								
							40	120	150	10												
							20		500	10												
JANTXV2N2218	TO-5	60	30	5	10	50	20		0.1	10	0.4	0.6	1.3	150	8	250		20	250		1	20
							35		10	10	1.6		2.6	500								
							40	120	150	10												
							20		500	10												
2N2218A	TO-5	75	40	6	10	60	20		0.1	10	0.3	0.6	1.2	150	8	250		20	285†		1	20
							35		10	10	1		2	500								
							40	120	150	10												
							20		150	1												
							25		500	10												
JAN2N2218A	TO-5	75	50	6	10	60	30		0.1	10	0.3	0.6	1.2	150	8	250		20	300		1	20
							35		1	10	1		2	500								
							40		10	10												
							40	120	150	10												
							20		500	10												
JANTX2N2218A	TO-5	75	50	6	10	60	30		0.1	10	0.3	0.6	1.2	150	8	250		20	300		1	20
							40		10	10	1		2	500								
							40	120	150	10												
							20		500	10												