NPN Transistors

MEDIUM POWER AMPS

Datasheet Live

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.
2N2017	TO-39	60	60	8	10 μA	30	35		10	10	2			200								12
							50	200	200	10												
							20		1A	15												
2N2102	TO-39	120	65	7	2	60	10		0.01	10	0.5		1.1	150	10	60		50				12
							20		0.1	10												
							35		10	10												
							40	120	150	10												
							25		500	10												
							10		1A	10												
2N2192	TO-39	60	40	5	10	30	75		10	10	0.35		1.3	150	20	50		50				12
							100	300	150	10												
							15		1A	10												
2N2192A	TO-39	60	40	5	10	30	75		10	10	0.25		1.3	150	20	50		50				12
							100	300	150	10												
							15		1A	10												
2N2193	TO-39	80	50	8	10	60	15		0.1	10	0.35		1.3	150	20	50		50				12
							40	120	150	10												
							15		1A	10												
2N2193A	TO-39	80	50	8	10	60	15		0.1	10	0.25		1.3	150	20	50		50				12
							40	120	150	10												
							15		1A	10												
2N2195	TO-39	45	25	5	100	30	20		150	10	0.35		1.3	150	20	50		50				12
2N2195A	TO-39	45	25	5	100	30	20		150	10	0.25		1.3	150	20	50		50				12
2N2243	TO-39	120	80	7	10	60	15		0.1	10	0.35		1.3	150	15	50		50				12
							40	120	150	10												
							15		500	10												
2N2243A	TO-39	120	80	7	10	60	15		0.1	10	0.25		1.3	150	15	50		50				12
							40	120	150	10												
							15		500	10												
2N2270	TO-39	60	45	7	50	60	30		1	10	0.9		1.2	150	15	100		50				12
							50	200	150	10												
2N2657	TO-39	80	60	8	100	60	40	120	1A	2	0.5		1.5	1A	150	20		200	1500		1	34
							15		5A	6	3.0		2.5	5A								
2N2658	TO-39	100	80	8	100	60	40	120	1A	2	0.5		1.5	1A	150	20		200	1500		1	34
							15		5A	6	3.0		2.5	5A								
2N2890	TO-39	100	80	5			20		100	2	0.5		1.2	1A	70	30		200	1500		1	34
							30	90	1A	2	0.75		1.3	2A								
							25		2A	5												
2N2891	TO-39	100	80	5			35		100	2	0.5		1.2	1A	70	30		200	1500		1	34
							50	150	1A	2	0.75		1.3	2A								
							40		2A	5												
2N3019	TO-39	140	80	7	10	90	50		0.1	10	0.2		1.1	150	12	100		50				12
							100	300	150	10	0.5			500								
							15		1A	10												
							90		10	10												