NPN Transistors

LOW LEVEL AMPS

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} (1kc)* Max	@ I_C (mA)	& V_{CE} (V)	$V_{CE(sat)}$ (V) Max	& $V_{BE(sat)}$ (V) Min	Max	@ I_C (mA)	C_{ob} (pF) Max	f_T (MHz) Min	Max	@ I_C (mA)	t_{off} (ns) Max	NF (dB) Max	Test Condition	Process No.
2N760	TO-18	45	45	8	200	30	76	333*	1	5	1	0.6	1.1	10	8	50		1				07
2N760A	TO-18	60	60	8	100	30	76	333*	1	5	1	0.9	1.1	10	8	50		1				07
JAN2N760A	TO-18	75	60	8	10	30	76	333*	1	5	1	0.6	1.1	10	6	60		1		24	1	07
2N929	TO-18	45	45	4	10	45	40	120	0.01 μA	5	1	0.6	1.1	10	8	30		0.5		4	5	07
							60		0.5 μA	5												
								350	10	5												
JAN2N929	TO-18	60	45	6	10	45	40	120	0.01 μA	5	1	0.6	1.1	10	8	45	180	0.5		5	3	07
							60		0.5 μA	5										3	4	
								350	10	5										3	2	
JANTX2N929	TO-18	65	45	6	10	45	40	120	0.01	5	1	0.6	1	10	8	45	180	0.5		5	3	07
							60		0.5	5										3	4	
								350	10	5										3	2	
JANTXV2N929	TO-18	65	45	6	10	45	40	120	0.01	5	1	0.6	1	10	8	45	180	0.5		5	3	07
							60		0.05	5										3	4	
								350	10	5										3	2	
2N929A	TO-18	60	45	6	2	45	25		0.001	5	0.5	0.7	0.9	10	6	45		0.5		4	2	07
							40	120	0.01	5												
							60		0.5	5												
								350	10	5												
2N930	TO-18	45	45	5	10	45	100	300	0.01	5	1	0.6	1	10	8	30		0.5		3	5	07
							150		0.5	5												
								600	10	5												
JAN2N930	TO-18	60	45	6	10	45	100	300	0.01	5	1	0.6	1	10	8	45	180	0.5		5	3	07
							150		0.5	5										3	4	
								600	10	5										3	2	
JANTX2N930	TO-18	60	45	6	10	45	100	300	0.01	5	1	0.6	1	10	8	45	180	0.5		5	3	07
							150		0.5	5										3	4	
								600	10	5										3	2	
JANTXV2N930	TO-18	60	45	6	10	45	100	300	0.01	5	1	0.6	1	10	8	45	180	0.5		5	3	07
							150		0.5	5										3	4	
								600	10	5										3	2	
2N930A	TO-18	60	45	6	2	45	60		0.001	5	0.5	0.7	0.9	10	6	45		0.5		3	2	07
							100	300	0.01	5												
							150		0.5	5												
								600	10	5												
2N981	TO-18	80	80	8	1.0 μA	30	36	100*	1	5	3			10	5							07

Test Conditions:

1. I_C = 1.0 mA, V_{CB} = 5V, R_G = 500Ω, f = 1 kHz
2. I_C = 10 μA, V_{CE} = 5V, R_G = 10 kΩ, f = 10 kHz
3. I_C = 10 μA, V_{CE} = 5V, R_G = 10 kΩ, f = 100 Hz
4. I_C = 10 μA, V_{CE} = 5V, R_G = 10 kΩ, f = 1 kHz
5. I_C = 10 μA, V_{CE} = 5V, R_G = 10 kΩ, BW = 15.7 kHz
6. I_C = 5 μA, V_{CE} = 5V, R_G = 50 kΩ, f = 1 kHz
7. I_C = 5μA, V_{CE} = 5V, R_G = 50 kΩ, f = 10 kHz
8. V_{CE} = 5V, I_C = 100μA R_G = 10kΩ, W.B.
9. V_{CE} = 5V, I_C = 30μA R_G = 100kΩ, f = 1kHz
10. I_C = 20 μA V_{CE} = 5V R_S = 22 KΩ W.B.
11. I_C = 20 μA V_{CE} = 5V R_S = 10 KΩ f = 1 kHz
12. I_C = 100 μA V_{CE} = 5V R_G = 5 KΩ W.B.
13. I_C = 100 μA V_{CE} = 4.5V R_G = 5 KΩ W.B.