



LOW LEVEL AMPS

NPN Transistors

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} (1kC)*		I _C (mA)	V _{CE} (V)	V _{CE(sat)} (V) &		V _{BE(sat)} (V) @		I _C (mA)	C _{ob} (pF) Max	f _T (MHz) @		t _{off} (ns) Max	NF (dB) Max	Test Condition	Process No.
							Min	Max			Min	Max	Min	Max			Min	Max				
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	5												
							350	10	5	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	5										3	4	
							350	10	5	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	5										3	4	
							350	10	5	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	5										3	4	
							350	10	5	5										3	2	
2N929A	TO-18	60	45	6	2	45	25	0.001	5	5	0.5	0.7	0.9	10	6	45	0.5			4	2	07
							40	0.01	5	5												
							60	0.5	5	5												
							350	10	5	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	5												
							600	10	5	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	5										3	4	
							600	10	5	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	5										3	4	
							600	10	5	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	5										3	4	
							600	10	5	5										3	2	
2N930A	TO-18	60	45	6	2	45	60	0.001	5	5	0.5	0.7	0.9	10	6	45	0.5			3	2	07
							100	0.01	5	5												
							150	0.5	5	5												
							600	10	5	5												
2N981	TO-18	80	80	8	1.0 μA	30	36	100*	1	5	3			10	5							07

Test Conditions:

- I_C = 1.0 mA, V_{CB} = 5V, R_G = 500Ω, f = 1 kHz
- I_C = 10 μA, V_{CE} = 5V, R_G = 10 kΩ, f = 10 kHz
- I_C = 10 μA, V_{CE} = 5V, R_G = 10 kΩ, f = 100 Hz
- I_C = 10 μA, V_{CE} = 5V, R_G = 10 kΩ, f = 1 kHz
- I_C = 10 μA, V_{CE} = 5V, R_G = 10 kΩ, BW = 15.7 kHz
- I_C = 5 μA, V_{CE} = 5V, R_G = 50 kΩ, f = 1 kHz
- I_C = 5 μA, V_{CE} = 5V, R_G = 50 kΩ, f = 10 kHz
- V_{CE} = 5V, I_C = 100 μA, R_G = 10 kΩ, W.B.
- V_{CE} = 5V, I_C = 30 μA, R_G = 100 kΩ, f = 1 kHz
- I_C = 20 μA, V_{CE} = 5V, R_S = 22 KΩ, W.B.
- I_C = 20 μA, V_{CE} = 5V, R_S = 10 KΩ, f = 1 kHz
- I_C = 100 μA, V_{CE} = 5V, R_G = 5 KΩ, W.B.
- I_C = 100 μA, V_{CE} = 4.5V, R_G = 5 KΩ, W.B.