



LOW LEVEL AMPS (Continued)

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	I _C (mA) @ V _{CE} (V)	C _{ob} (pF) Max	f _T (MHz) Min	f _T (MHz) Max	I _C (mA) @ V _{CE} (V)	NF (dB) Max	Test Conditions	Process No.	
2N3565	TO-92 (92)	Same as PN3565, see page 1-13 for explanation																	07	
2N3707	TO-92 (94)	30	30	6	100	20	100	400	100 μA 5	1.0		10					5	1	07	
2N3708	TO-92 (94)	30	30	6	100	20	45	660	1 5	1.0		10							07	
2N3709	TO-92 (94)		30		100	20	45	165	1 5	1.0		10							07	
2N3710	TO-92 (94)	30	30	6	100	20	90	330	1 5	1.0		10							07	
2N3711	TO-92 (94)	30	30	6	100	20	180	660	1 5	1.0		10							07	
2N3858A	TO-92 (94)	60	60	6	500	18	60 45	120 1	10 1				4	90	250	2			07	
2N3859A	TO-92 (94)	60	60	6	500	18	100 75	200 1	10 1				4	90	250	2			07	
2N3877	TO-92 (94)	70	70	4	500	70	20	250	2 4.5		0.5	0.9	10						07	
2N3877A	TO-92 (94)	85	85	4	500	70	20	250	2 4.5		0.5	0.9	10						07	
2N3900A	TO-92 (94)	18	18	5	100	18	250	500	2 4.5				12				5	4	07	
2N3901	TO-92 (94)	18	18	5	100	15	350	700	2 4.5								5	4	07	
2N4286	TO-92 (94)	30	25	6	50	25	150 100	600 1	5 100 μA 5	0.35		0.8	1	6	40		1		07	
2N4287	TO-92 (94)	45	45	7	10	30	150 100	600 1	5 100 μA 5	0.35		0.8	1	6	40		1	5	1	07
2N4384	TO-18	40	30	5	10	30	150 120 100 60	10 1 500 1 μA	5 5 5 5	0.2	0.65	0.8	10	8	30	120	0.5	2	1	07
2N4386	TO-18	40	30	5	10	30	120 100 40	10 1 500 10 μA	5 5 5 5	0.2	0.65	0.8	10	8	30	120	0.5	3	1	07
2N4409	TO-92 (92)	80	50	5	10	60	60 60	400 1	10 1	0.2		0.8	1	12	60	300	10			07

TEST CONDITIONS:

(1) $I_C = 10 \mu A$, $V_{CE} = 5V$, $f = 10 \text{ Hz} - 15.7 \text{ kHz}$. (2) $I_C = 10 \mu A$, $V_{CE} = 5V$, $f = 1 \text{ kHz}$. (3) $I_C = 5 \mu A$, $V_{CE} = 5V$, $f = 1 \text{ kHz}$. (4) $I_C = 100 \mu A$, $V_{CE} = 5V$, $f = 10 \text{ Hz} - 15.7 \text{ kHz}$. (5) $I_C = 10 \mu A$, $V_{CE} = 5V$, $f = 10 \text{ kHz}$. (6) $I_C = 100 \mu A$, $V_{CE} = 5V$, $f = 5 \text{ kHz}$.



NPN Transistors