

# TO-18 Metal-Can Package Transistors (PNP)

Maximum Ratings						Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																	
Type No.	V <sub>CB0</sub> (V) Min	V <sub>CEO</sub> (V) Min	V <sub>EB0</sub> (V) Min	P <sub>D</sub> (W) @Tc=25°C	I <sub>C</sub> (A)	I <sub>CM</sub> (A)	I <sub>CB0</sub> (μA) Max	V <sub>CE</sub> (V) @ I <sub>C</sub>	I <sub>CES</sub> (μA) Max	V <sub>CE</sub> (V) @ I <sub>CES</sub>	h <sub>FE</sub> @ I <sub>C</sub>	I <sub>C</sub> & V <sub>CE</sub> (mA) (I <sub>C</sub> Min, I <sub>C</sub> Max, V <sub>CE</sub> Min, V <sub>CE</sub> Max)	V <sub>CE(SAT)</sub> (V) @ I <sub>C</sub>	V <sub>BE(SAT)</sub> (V) @ I <sub>C</sub>	I <sub>C</sub> (mA) @ V <sub>CE</sub>	C <sub>ob</sub> (pF) Min Max Typ	f <sub>T</sub> (MHz) Min Typ Max	I <sub>C</sub> (mA) Max	t <sub>on</sub> (ns) Max	NF @ Freq (dB) (MHz) Max			
2N2696	25	25		0.36	0.5		0.025	10			20 30	300 130	2 1	0.25 1	1.1 2	50 300	20	100	50	170			
2N2894	12	12	4	0.36	0.2				0.08	6	30 40 25	10 150 100	0.3 0.5 1	0.15 0.2 0.5	0.78 0.85 1.7	10 30 100	6	400	30	90			
2N2906	60	40	5	0.4	0.6		0.02	50			20 40 35 25 20	500 120 10 1 0.1	10 10 10 10 10	0.4 1.6	1.3 2.6	150 500	8	200	50	100			
2N2906A	60	60	5	0.4	0.6		0.01	50			40 40 40 40 40	500 120 150 10 0.1	10 10 10 10 10	0.4 1.6	1.3 2.6	150 500	8	200	50	100			
2N2907	60	40	5	0.4	0.6		0.02	50			30 100 75 50 35	500 300 150 10 0.1	10 10 10 10 10	0.4 1.6	1.3 2.6	150 500	8	200	50	100			
2N2907A	60	60	5	0.4	0.6		0.01	50			50 100 100 100 75	500 300 150 10 0.1	10 10 10 10 10	0.4 1.6	1.3 2.6	150 500	8	200	50	100			
2N3250	50	40	5	0.36	0.2				* 0.02	40	40 45 50 15	0.1 1 150 50	1 1 1 1	0.25 0.5	0.6 1.2	0.9 50	10 50	6	250	10	6		
2N3250A	60	60	5	0.36	0.2				* 0.02	40	40 45 50 15	0.1 1 150 50	1 1 1 1	0.25 0.5	0.6 1.2	0.9 50	10 50	6	250	10	6		
2N3251	50	40	5	0.36	0.2				* 0.02	40	80 90 100 30	0.1 1 300 50	1 1 1 1	0.25 0.5	0.6 1.2	0.9 50	10 50	6	300	10	6		
2N3251A	60	60	5	0.36	0.2				* 0.02	40	90 100 30 80	1 10 50 0.1	1 1 1 1	0.25 0.5	0.6 1.2	0.9 50	10 50	6	300	10	6		
2N3496	80	80	4.5	0.4	0.1		0.1	50			35 40 40 40 35	0.1 1 10 50 100	10 10 10 10 10	0.3	0.6	0.9	10	7	200	20	1000		
2N3497	120	120	4.5	0.4	0.1		0.1	90			35 40 40 40	0.1 1 10 50	10 10 10 10	0.35	0.6	0.9	10	6	150	20	1000		
*2N869	25	18	5	0.36	0.2		0.01	15			20	120	10	5	1	1	10	9	100	10			
*2N995	20	15	4	0.36	0.2		0.005	15			35	140	20	1	0.2	0.95	10	10	100	10			
BC177	50	45	5	0.6	0.2				0.1	20	120	460	2	5	0.6 0.2	100 0.8	10	4	3.5	200	300	10	10 0.001

\* NOTE: I<sub>CEX</sub>