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# TO-220 Power Package Transistors (PNP)

Maximum Ratings						Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																	
Type No.	V <sub>CB0</sub> (V)	V <sub>CEO</sub> (V)	V <sub>EBO</sub> (V)	P <sub>D</sub> (W)	I <sub>C</sub> (A)	I <sub>CB0</sub> (μA)	V <sub>CB</sub> (V)	I <sub>CES</sub> (μA)	V <sub>CE</sub> (V)	h <sub>FE</sub>	@		I <sub>C</sub> (A)	V <sub>CE</sub> (V)	V <sub>CE(SAT)</sub> (V)	V <sub>BE(SAT)</sub> (V)		I <sub>C</sub> (A)	C <sub>ob</sub> (pF)		f <sub>t</sub> (MHz)		I <sub>C</sub> (mA)
	Min	Min	Min	@Tc=25°C	Max						Max	Min				Max	Max		Min	Max	Max	Min	
2N6107	80	70	5	40	7			* 100	75	30	150	2	4	3.5		7		250		10			500
										2.3	7	4	1		2								
2N6109	60	50	5	40	7			* 100	60	30	150	2.5	4	3.5		7		250		10			500
										2.3	7	4	1		2.5								
2N6111	40	30	5	40	7			* 100	40	30	150	3	4	3.5		7		250		10			500
										2.3	7	4	1		3								
2SA614	80	55	5	25	3	50	50			40	240	0.5	5	0.5		1							
2SA614O	80	55	5	25	3	50	50			70	140	0.5	5	0.5		1							
2SA614R	80	55	5	25	3	50	50			40	80	0.5	5	0.5		1							
2SA614Y	80	55	5	25	3	50	50			120	240	0.5	5	0.5		1							
2SA748	70	50	5	15	2	1	40			30		0.1	5	1		1.5	2			120			500
										50	220	1	5										
2SA748P	70	50	5	15	2	1	40			30		0.1	5	1		1.5	2			120			500
										50	100	1	5										
2SA748Q	70	50	5	15	2	1	40			30		0.1	5	1		1.5	2			120			500
										80	160	1	5										
2SA748R	70	50	5	15	2	1	40			30		0.1	5	1		1.5	2			120			500
										120	200	1	5										
2SA940	150	150	5	25	1.5	10	120			40	140	0.5	10	1.5		0.5		55		4			500
2SA968	160	160	5	25	1.5	1	160			70	240	0.1	5	1.5		0.5		30		100			100
2SB856	50	50	4	25	3	10	20			35	200	1	4	1.2		2		90	10				500
										35		0.1	4										
2SB856A	50	50	4	25	3	10	20			35	70	1	4	1.5		2		90	10				500
										35		0.1	4										
2SB856B	50	50	4	25	3	10	20			60	120	1	4	1.2		2		90	10				500
										35		0.1	4										
2SB856C	50	50	4	25	3	10	20			100	200	1	4	1.2		2		90	10				500
										35		0.1	4										
2SB857	70	50	5	40	4	1	50			60	320	1	4	1		2				15			500
										35		0.1	4										
2SB857B	70	50	5	40	4	1	50			60	120	1	4	1		2				15			500
										35		0.1	4										
2SB857C	70	50	5	40	4	1	50			100	200	1	4	1		2				15			500
										35		0.1	4										
2SB857D	70	50	5	40	4	1	50			160	320	1	4	1		2				15			500
										35		0.1	4										
2SB858	70	60	5	40	4	1	50			60	320	1	4	1		2				15			500
										35		0.1	4										
2SB858B	70	60	5	40	4	1	50			60	120	1	4	1		2				15			500
										35		0.1	4										

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