

# 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>EB0</sub> (V)	P <sub>0</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	
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>

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