

# TO-92 Plastic Package Transistors (PNP)

Maximum Ratings							Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																			
Type No.	V <sub>CBO</sub> (V)	V <sub>CEO</sub> (V)	V <sub>EBO</sub> (V)	P <sub>D</sub> (W)	I <sub>C</sub> (A)	I <sub>CBO</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> & V <sub>CE</sub>		V <sub>CE(SAT)</sub>		V <sub>BE(SAT)</sub>		I <sub>C</sub> (mA)	C <sub>ob</sub> (pF)		f <sub>t</sub> (MHz)		t <sub>off</sub> (ns)	N <sub>F</sub> (dB)	@ Freq (MHz)	C <sub>re</sub> (pF)	CDIL Case Style	
	Min	Min	Min	@Tc=25°C	Max	Max	Max	Max	Max	Min	Max	Max	Min	Max	Min	Max	Typ	Max	Min	Typ	Max	Max	Max	Max	Max	
2N4972	60	40	5	0.625	0.6	0.02	50			30	500	10	0.4	1.3	150	8	200		50	100						TO-92
										100	300	150	1.6	2.6	500											
										75		10														
										50		1														
										35		0.1														
2N5086	50	50	3	0.625	0.05	0.01	10			150		10	0.3		10	4	40		1			3				TO-92
										150		1														
										150	500	0.1														
2N5087	50	50	3	0.625	0.05	0.01	10			250		10	0.3		10	4	40		1			2				TO-92
										250		1														
										250	800	0.1														
2N5142	20	20	4	0.625	0.6			0.05	12	15		300	0.5		1.5	10	100		50	200						TO-92
										30		50	0.2	0.8	2.5	300										
2N5143	20	20	4	0.625	0.6			0.05	12	15		300	0.5		1.5	50	100		50	200						TO-92
										30		50	0.2	0.8	2.5	300										
2N5221	15	15	3	0.625	0.6	0.1	10			30	600	50	0.5		1.1	150	15	100		20						TO-92
										25		10														
2N5226	25	25	4	0.625	0.6	0.3	15			30	600	50	0.8		1	100	20	50		20						TO-92
										25		10														
2N5227	30	30	3	0.625	0.05	0.1	10			50	700	2	0.4		1		5	100		10						TO-92
										30		0.1														
2N5354	25	25	4	0.625	0.6	0.1	25			40	120	50	0.25		50	8										TO-92-1
2N5355	25	25	4	0.625	0.6	0.1	25			100	300	50	0.25		50	8										TO-92-1
2N5365	40	40	4	0.625	0.6	0.1	40	0.1	40	20		300	0.25		1.1	50	8	250		2						TO-92-1
										40	120	50	1		2	300										
										32		2														
2N5366	40	40	4	0.625	0.6	0.1	40	0.1	40	40		300	0.25		1.1	50	8	250		2						TO-92-1
										100	300	50	1		2	300										
										80		2														
2N5400	130	120	5	0.5	0.6	0.1	100			40		50	0.2		1	10	6	100		400	10		8			TO-92
										40	180	10	0.5		1	50										
										30		1														
2N5401	160	150	5	0.625	0.6	0.05	120			50		50	0.2		1	10	6	100		300	10		8			TO-92
										60	240	10	0.5		1	50										
										50		1														
2N5447	40	25	5	0.625	0.6	0.1	20			60	300	50	0.25		50	12	100		50							TO-92-4
2N5448	50	30	5	0.625	0.5	0.1	20			30	150	50	0.25		50	12	100		50							TO-92-4
2N5817	50	40	5	0.625	0.6	0.1	25	0.5	20	25		500	0.75		1.2	500	15	100		50						TO-92-4
										100	200	2														
2N6076	25	25	5	0.625	0.1	0.1	25			100	500	10	0.25		0.8	10										TO-92-1
2N6519	300	300	5	0.625	0.5	0.05	250			30		10	0.3		0.75	10	6	40		200	10	3.5				TO-92
										45		30	0.35		0.85	20										
										45	270	50	0.5		0.9	30										
										40	200	100	1			50										
										20		10														
2N6520	350	350	5	0.625	0.5	0.05	250			20		1	0.3		0.75	10	6	40		200	10	3.5				TO-92
										30		10	0.35		0.85	20										
										30	200	30	0.5		0.9	30										
										20	200	50	1			50										
										15		100														