

TO-92 Plastic Package Transistors (NPN)

Maximum Ratings						Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																				
Type No.	V _{CBO} (V) Min	V _{CEO} (V) Min	V _{EB0} (V) Min	P _D (W) @ Tc=25°C	I _C (A)	I _{CBO} (μA) Max	V _{CB} @ (V)	I _{CES} (μA) Max	V _{CE} @ (V)	h _{FE} Min	β Max	I _C & (mA)	V _{CE} (V)	V _{CE(SAT)} (V) Max	V _{BE(SAT)} (V) Max	I _C @ (mA)	C _{ob} (pF) Typ	f _T (MHz) Min	β Typ	I _C (mA)	t _{off} (ns) Max	N _F (dB) Max	@ Freq (MHz)	C _{ro} (pF) Max	CDIL Case Style	
2N5172	25	25	5	0.4	0.15	0.1	25			100	500	10 10		0.25		10	10									TO-92-1
2N5209	50	50	5	0.625	0.05	0.05	35			150		10 5		0.7		10	4	150	600	1			3			TO-92
										150		1 5														
										100	300	0.1 5														
2N5210	50	50	5	0.625	0.05	0.05	35			250		10 5		0.7		10	4	250	900	1			2			TO-92
										250		1 5														
										200	600	0.1 5														
2N5219	20	15	3	0.625	0.1	0.1	10			35	500	2 10		0.4	1	10	4	150		10						TO-92
2N5220	15	15	3	0.625	0.6	0.1	10			30	600	50 10		0.5	1.1	150	10	100		20						TO-92
										25		10 10														
2N5223	25	20	3	0.625	0.1	0.1	10			50	800	2 10		0.7	1.2	10	4	150		10						TO-92
2N5224	25	12	5	0.625	0.2	0.5	15			15	100	1 0.35		0.9		10	4	250		10						TO-92
										40		10 1														
2N5225	25	25	4	0.625	0.6	0.3	15			30	600	50 10		0.8	1	100	20	50		20						TO-92
										25		10 10														
2N5232		50		0.625	0.05	0.03	50			250	500	2 5		0.125		10	4									TO-92-1
2N5232A		50		0.625	0.05	0.03	50			250	500	2 5		0.125		10	4					5				TO-92-1
2N5449	50	30	5			0.1	20			100	300	100 2		0.6		100		5		50						TO-92-4
2N5550	160	140	6	0.5	0.6	0.1	100			20		50 5		0.15	1	10	6	100	300	10		10				TO-92
										60	250	10 5		0.25	1.2	50										
										60		1 5														
2N5551	180	160	6	0.5	0.6	0.05	120			30		50 5		0.15	1	10	6	100	300	10		8				TO-92
										80	250	10 5		0.2	1	50										
										80		1 5														
2N5769	40	15	5	0.625	0.2	0.4	20			20		100 1		0.2	0.7	0.85 10	4	500		10	18					TO-92
										30		30 0.4		0.25	0.7	1.15 30										
										40	120	10 0.4		0.5	0.75	1.6 100										
2N5770	30	15	5	0.625	0.05	0.01	15			50	200	8 10		0.4	1	10	1.1	900	1800	8		6	60			TO-92
										20		3 1														
2N5772	40	15	5	0.625	0.3	0.5	20			15		300 1		0.2	0.75	0.95 30	5	350		30	28					TO-92
										25		100 0.5		0.28	0.75	1.2 100										
										30	120	30 0.4		0.5	0.75	1.7 300										
2N5830	120	100	5	0.625	0.6	0.05	100			60		1 5		0.15	0.8	1	4	100	500	10						TO-92
										80	500	10 5		0.2	1	10										
										80		50 5		0.25		1 50										
*2N6427	40	40	12	0.625	0.5	0.05	30			10	100	10 5		1.2		50	5.4	7	1	2	10					TO-92
										20	200	100 5		1.5	2	500										
										14	140	500 5														
2N6515	250	250	6	0.625	0.5	0.05	150			35		1 10		0.3	0.75	10	6	40	200	10	3.5					TO-92
										50		10 10		0.35	0.85	20										
										50	300	30 10		0.5	0.9	30										
										45	220	50 10		1		50										
										25		100 10														
2N6516	300	300	6	0.625	0.5	0.05	200			30		1 10		0.3	0.75	10	6	40	200	10	3.5					TO-92
										45		10 10		0.35	0.85	20										
										45	270	30 10		0.5	0.9	30										
										40	200	50 10		1		50										
										20		100 10														