

TO-92 Plastic Package Transistors (NPN)

Maximum Ratings						Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																				
Type No.	V _{CB0} (V) Min	V _{CEO} (V) Min	V _{EB0} (V) Min	P _D (W) @ Tc=25°C	I _C (A)	I _{CB0} (μA) Max	V _{CB} (V) @ I _C	I _{CES} (μA) Max	V _{CE} (V) @ I _{CES}	h _{FE} Min	β Max	I _C & (mA)	V _{CE} (V)	V _{CE(SAT)} (V) Max	V _{BE(SAT)} (V) Max	I _C (mA) @ V _{BE(SAT)}	C _{ob} (pF) Typ	f _t (MHz) Min	β Typ	I _C (mA) Max	t _{on} (ns) Max	N _F (dB) Max	β @ Freq (MHz)	C _m (pF) Max	CDIL Case Style	
2N4953	60	30	5	0.625	0.6	0.05	40			200 150 75	600	150 10 1	10 10 10	0.3	1.3	150	8	250		20	400					TO-92-1
2N4954	40	30	5	0.625	0.6	0.05	30			60 40 20	600	150 10 1	10 10 10	0.3	1.3	150	8	250		20	400					TO-92-1
2N4966	50	40	6	0.625	0.05	0.025	25			40 50	200	0.01 10	5 5	0.4		10	6	40		1						TO-92
2N4967	50	40	6	0.625	0.05	0.025	25			100 120	600	0.01 10	5 5	0.4		10	6	40		1						TO-92
2N4968	30	25	6	0.625	0.05	0.05	25			40 50	200	0.01 10	5 5	0.4		10	6									TO-92
2N4969	60	30	5	0.6	0.5	0.01	50			20 20 40 35 25 20		500 150 120 10 1 0.1	10 1 10 10 10 10	0.4 1.6	1.3 2.6	150 500	8	250		20						TO-92
2N4970	50	30	5	0.6	0.5					100 70 50	350	150 10 150	10 10 1	0.4	0.6	1.2	8	200		20						TO-92
2N5030	30	12	4	0.625	0.2	0.25	20			30		10	1	0.25	0.72	0.87	4	400		10	30					TO-92-1
2N5088	35	30	5	0.625	0.05	0.05	20			300 350 300		10 1 900	5 5 0.1	0.5		10	4	50		1		3				TO-92
2N5089	30	25	5	0.625	0.05	0.05	15			400 450 400		10 1 1200	5 5 0.1	0.5		10	4	50		1		2				TO-92
2N5127	20	12	3	0.625	0.05	0.05	10			15	300	2	10	0.3	1	10	3.5	150		2						TO-92
2N5128	15	12	3	0.6	0.5	0.05	10			35 20	350	50 10	10 10	0.25	1.1	150	10	200		800	50					TO-92
2N5129	15	12	3	0.6	0.5	0.05	10			35 20	350	50 10	10 10	0.25	1.1	150	10	200		800	50					TO-92
2N5130*	30	12	1	0.625	0.05	0.05	10			15	250	8	10	0.6	1	10	1.7	450		8						TO-92
2N5131	20	15	3	0.625	0.1	0.05	10			35	500	10	1	1		10	6	100		10						TO-92
2N5132	20	20	3	0.625	0.1	0.05	10			30	400	10	10	2	0.9	10	3.5	200		10						TO-92
2N5133	20	18	3	0.625	0.05	0.05	15			60	1000	1	5	0.4		1	5									TO-92
2N5134	20	10	4	0.625	0.2	0.1	15			15 20		30 150	0.4 1	0.25	0.7	0.9	4	250		10	18					TO-92
2N5135	30	25	4	0.6	0.5	0.3	15			50 15	60	10 2	10 10	1	1	100	25	40		500	30					TO-92
2N5136	30	20	3	0.6	0.5	0.1	20			20 20	400	150 30	1 1	0.25	1.1	150	35	40		400	50					TO-92
2N5137	30	20	3	0.6	0.5	0.1	20			20 20	400	150 30	1 1	0.25	1.1	150	35	40		400	50					TO-92

* NOTE: I_{CEX}