

TO-92 Plastic Package Transistors (NPN)

Maximum Ratings							Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																	
Type No.	V _{CEO} (V)	V _{CE0} (V)	V _{EB0} (V)	P _D (W)	I _C (A)	I _{CBO} (μA)	V _{CB} (V)	I _{CEs} (μA)	V _{CE} (V)	h _{FE} @	I _C &	V _{CE} (V)	V _{CE(SAT)} (V)	V _{BE(SAT)} (V)	I _C (mA)	C _{ob} (pF)	f _t (MHz)	θ	I _C (mA)	t _{off} (ns)	N _F (dB)	@ Freq (MHz)	C _{ie} (pF)	CDL Case Style
	Min	Min	Min	@Tc=25°C	Max	Max	Max	Max	Min	Max	Max	Max	Max	Min	Max	Typ	Max	Min	Typ	Max	Max	Max	Max	Max
2N2712	18	18	5	0.625	0.1	0.5	18			75	225	2	4.5			12	80	300	2					TO-92-1
2N2714	18	18	5	0.625	0.1	0.5	18			75	225	2	4.5	0.3	.6	1.2	50							TO-92-1
#2N2923	25	25	5	0.625	0.1	0.1	25			90	180	2	10			10								TO-92-1
#2N2924	25	25	5	0.625	0.1	0.1	25			150	300	2	10			10								TO-92-1
#2N2925	25	25	5	0.625	0.1	0.1	25			235	470	2	10			10								TO-92-1
#2N2926	18	18	5	0.625	0.1	0.5	18			35	470	2	10			10								TO-92-1
2N3390	25	25	5	0.625	0.1	0.1	18			400	800	2	4.5			10								TO-92-1
2N3391	25	25	5	0.625	0.1	0.1	18			250	500	2	4.5			10					5			TO-92-1
2N3391A	25	25	5	0.625	0.1	0.1	18			250	500	2	4.5			10					5			TO-92-1
2N3392	25	25	5	0.625	0.1	0.1	18			150	300	2	4.5			10								TO-92-1
2N3393	25	25	5	0.625	0.1	0.1	8			90	180	2	4.5			10								TO-92-1
2N3394	25	25	5	0.625	0.1	0.1	18			55	110	2	4.5			10								TO-92-1
2N3395	25	25	5	0.625	0.1	0.1	18			150	500	2	4.5			10								TO-92-1
2N3396	25	25	5	0.625	0.1	0.1	18			90	500	2	4.5			10								TO-92-1
2N3397	25	25	5	0.625	0.1	0.1	18			55	500	2	4.5			10								TO-92-1
2N3398	25	25	5	0.625	0.1	0.1	18			55	800	2	4.5			10								TO-92-1
2N3414	25	25	5	0.6	0.5	0.1	25			75	225	2	4.5	0.3	.6	1.3	50							TO-92-1
2N3415	25	25	5	0.625	0.1	0.1	25			180	540	2	4.5	0.3	.6	1.3	50							TO-92-1
2N3416	50	50	5	0.625	0.1	0.1	50			75	225	2	4.5	0.3	.6	1.3	50							TO-92-1
2N3417	50	50	5	0.625	0.1	0.1	50			180	540	2	4.5	0.3	.6	1.3	50							TO-92-1
2N3564	30	15	4	0.625	0.05	0.05	15			20	200	15	10	0.3		0.97	20	3.5	400	1200	15			TO-92
2N3605		14		0.625	0.2	0.5	18			30		10	1	0.25		0.85	10	6	300		10	45		TO-92-1
2N3606		14		0.625	0.2	0.5	18			30		10	1	0.25		0.85	10	6	300		10	60		TO-92-1
2N3607		14		0.625	0.2	0.5	18			30		10	1	0.25		0.85	10	6	300		10	70		TO-92-1
2N3662	18	12	3	0.625	0.05	0.5	15			20		8	10					1.7	700	2100	5	6.5	60	TO-92-1
2N3663	30	12	3	0.625	0.05	0.5	15			20		8	10					1.7	700	2100	5	6.5	60	TO-92-1
2N3693	45	45	4	0.625	0.5	0.05	35			40	160	10	10					3.5	200		10	4		TO-92
2N3694	45	45	4	0.625	0.5	0.05	35			100	400	10	10					3.5	200		10	4		TO-92
2N3704	50	30	5	0.625	0.6	0.1	20			100	300	50	2	0.6		100		12	100		50			TO-92-1
2N3705	50	30	5	0.625	0.6	0.1	20			50	150	50	2	0.8		100		12	100		50			TO-92-1
2N3706	40	20	5	0.625	0.6	0.1	20			30	600	50	2	1		100		12	100		50			TO-92-1
2N3707	30	30	6	0.625	0.25	0.1	20			100	400	0.1	5	1		10						5		TO-92-1
2N3708	30	30	6	0.625	0.25	0.1	20			45	660	1	5	1		10								TO-92-1

NOTE : HFE values are hfe(min) & hfe (max) at 1.00 kHz