

2N Plastic Package Transistors (PPTV)

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 _{CES} (μA) Max	V _{CE} (V) @	h _{FE} @	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	I _C (mA) @	t _{on} (ns) Max	N _F (dB) Max	Q Freq (MHz)	C _{in} (pF) Max	CDIL Case Style	
2N3903	60	45	6	0.625	0.2			*0.05	30	20 35 50 30 15	0.1 1 10 50 100	1 1 1 1 1	0.2 0.3	0.65 0.95	0.85 50	10	4	250	10		6			TO-92
2N3904	60	40	6	0.625	0.2			*0.05	30	40 70 100 60 30	0.1 1 10 50 100	1 1 1 1 1	0.2 0.3	0.65 0.95	0.85 50	10	4	300	10		5			TO-92
2N4123	40	30	5	0.625	0.2	0.05	20			50 25	150 50	2 1	0.3		0.95 50	50	4	250	10		6			TO-92
2N4124	30	25	5	0.625	0.2	0.05	20			120 60	360 50	2 1	0.3		0.95 50	50	4	300	10		5	100		TO-92
2N4286	30	25	6	0.625	0.05	0.05	25	0.4	20	150 100	600 0.1	1 5	0.35		0.8 1	1	6	40	1					TO-92-1
2N4287	45	45	7	0.625	0.05	0.01	30			150 100	600 0.1	1 5	0.35		0.8 1	1	6	40	1		5			TO-92-1
2N4292	30	15	3	0.625	0.05	0.5	15			20	3	1	0.6			10	3.5	600	4		6	60		TO-92-1
2N4293	30	15	3	0.625	0.05	0.5	15			20	3	1	0.6			10	3.5	600	4		6	60		TO-92-1
2N4294	30	12	5	0.625	0.2	0.4	20			20 30	120 10	100 1	2 1	0.25	0.6 0.9	10	5	400	10	20				TO-92-1
2N4295	40	15	5	0.625	0.2	0.1	20			20 40	120 10	100 1	2 1	0.25	0.6 0.9	10	4	500	10	15				TO-92-1
2N4400	60	40	6	0.625	0.6			*0.1	35	20 50 40 20	500 150 10 1	2 1 1 1	0.4 0.75	0.75 1.2	0.95 500	150	6.5	200	20	255				TO-92
2N4401	60	40	6	0.625	0.6			*0.1	35	40 100 80 40 20	500 300 10 1 0.1	2 1 1 1 1	0.4 0.75	0.75 1.2	0.95 500	150	6.5	250	20	255				TO-92
2N4409	80	50	5	0.625	0.25	0.01	60			60 60	400 1	10 1	0.2		0.8 1	1	12	2	10	10				TO-92
2N4410	120	80	5	0.625	0.25	0.01	100			60 60	400 1	10 1	0.2		0.8 1	1	12	2	10	10				TO-92
2N4424	40	40	5	0.625	0.1	0.1	25			180	540	2	0.3	0.6	1.3	50								TO-92-1
2N4944	80	40	5	0.625	0.6	0.05	40			40 40	120 30	150 1	0.25		150		60	900	50					TO-92
2N4946	80	40	5	0.625	0.6	0.05	40			100 100	300 30	150 1	0.25		150		60	900	50					TO-92
2N4951	60	30	5	0.625	0.6	0.05	40			60 40 20	200 10 1	150 10 10	0.3		1.3 150		8	250	20	400				TO-92-1
2N4952	60	30	5	0.625	0.6	0.05	40			100 75 50	300 10 1	150 10 10	0.3		1.3 150		8	250	20	400				TO-92-1

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

* NOTE : I_{CEX}