

TO-39 Metal-Can Package Transistors (PNP)

Maximum Ratings							Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																			
Type No.	V _{CB0} (V)	V _{CE0} (V)	V _{EB0} (V)	P _D (W)	I _C (A)	I _{CM} (A)	I _{CB0} (μA)	V _{CB} (V)	I _{CES} (μA)	V _{CE} (V)	h _{FE}	β	I _C & (mA)	V _{CE} (V)	V _{CE(SAT)} (V)	V _{BE(SAT)} (V)	I _C (mA)	C _{ob} (pF)	f _i (MHz)	β	I _C (mA)	t _(off) (ns)	NF (dB)	β	Freq (MHz)	
	Min	Min	Min	@Tc=25°C			Max	@ (V)	Max	@ (V)	Min	Max		Min	Max	Min	Max	Min	Max	Typ	Min	Typ	Max	Max	Max	Max
2N2904	60	40	5	0.6	0.6		0.02	50			20		500	10	0.4	1.3	150	8	200		50	100				
											40	120	150	10	1.6	2.6	500									
											35		10	10												
											25		1	10												
											20		0.1	10												
2N2904A	60	60	5	0.6	0.6		0.01	50			40		500	10	0.4	1.3	150	8	200		50	100				
											40	120	150	10	1.6	2.6	500									
											40		10	10												
											40		1	10												
											40		0.1	10												
2N2905	60	40	5	0.6	0.6		0.02	50			30		500	10	0.4	1.3	150	8	200		50	100				
											100	300	150	10	1.6	2.6	500									
											75		10	10												
											50		1	10												
											35		0.1	10												
2N2905A	60	60	5	0.6	0.6		0.01	50			50		500	10	0.4	1.3	150	8	200		50	100				
											100	300	150	10	1.6	2.6	500									
											100		10	10												
											100		1	10												
											75		0.1	10												
2N3072	60	60	4	0.8	0.5		0.01	30		30	15		300	2	0.25	1.2	50	10	130		50	100				
											30	130	50	1	1	2	300									
2N3073	60	60	4				0.01	30		30	15		300	2	0.25	1.2	50	10	130		50	100				
											30	130	50	1	1	2	300									
2N3502	45	45	5	0.6	0.6		0.01	30			50		500	10	0.25	1	50	8	200		50	100		4		
											100	300	150	10	0.4	1.3	150									
											140		10	10	1.6	2	500									
											135		1	10												
											120		0.1	10												
											80		0.01	10												
2N3503	60	60	5	0.6	0.6		0.01	50			50		500	10	0.25	1	50	8	200		50	100		4		
											100	300	150	10	0.4	1.3	150									
											140		10	10	1.6	2	500									
											135		1	10												
											120		0.1	10												
											80		0.01	10												
2N3635	140	140	5	1	1		0.1	100			80		0.1	10	0.3	0.8	10	10	200		30	600		3	0.001	
											90		1	10	0.5	0.65	0.9	50								
											100		10	10												
											100	300	50	10												
											50		150	10												
2N3636	175	175	5	1	1		0.1	100			40		0.1	10	0.3	0.8	10	10	150		30	600		3	0.001	
											45		1	10	0.5	0.65	0.9	50								
											50		10	10												
											50	150	50	10												
											25		150	10												
2N3637	175	175	5	1	1		0.1	100			80		0.1	10	0.3	0.8	10	10	200		30	600		3	0.001	
											90		1	10	0.5	0.65	0.9	50								
											100		10	10												
											100	300	50	10												
											50		150	10												
2N4030	60	60	5	0.8		1	0.05	50			15		1000	5	1		1000	20								
											25		500	5	0.5		500									
											40	120	100	5	0.15		150									
											30		0.1	5												