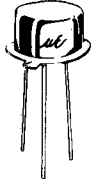


# General Purpose Transistors pnp

TO-39



TO-92<sup>†</sup>



TYPE NO. PNP	Maximum Ratings					Electrical Characteristics @ T <sub>A</sub> = 25°C				CASE
	P <sub>D</sub> @ T <sub>A</sub> = 25°C	I <sub>C</sub>	BV <sub>CEO</sub>	LV <sub>CEO</sub>	BV <sub>EBO</sub>	h <sub>FE</sub> @ V <sub>CE</sub> @ I <sub>C</sub> min./max.	V <sub>CE(sat)</sub> @ I <sub>C</sub> /I <sub>B</sub> max.	C <sub>ob</sub> max.	f <sub>T</sub> @ I <sub>C</sub> min.	
ME 0401	360mW	500mA	60V	50V	5V	40/200 @ 10V @ 150mA	0.25V @ 150/15.0mA	10pF	200MHz @ 50mA	TO-106
ME 0402	360mW	500mA	40V	40V	5V	100/300 @ 10V @ 150mA	0.35V @ 150/15.0mA	10pF	250MHz @ 50mA	TO-106
ME 0404	360mW	500mA	25V	25V	4V	30/300 @ 1V @ 50mA	0.30V @ 50/ 5.0mA	12pF	250MHz @ 50mA	TO-106
ME 0404-1	360mW	500mA	40V	30V	5V	30/200 @ 1V @ 50mA	0.25V @ 50/ 2.5mA	10pF	200MHz @ 50mA	TO-106
ME 0404-2	360mW	500mA	40V	30V	5V	75/300 @ 1V @ 50mA	0.25V @ 50/ 2.5mA	10pF	200MHz @ 50mA	TO-106
ME 0801	400mW	500mA	50V	45V	5V	100/600 @ 1V @ 100mA	0.30V @ 150/15.0mA	15pF	80MHz @ 50mA	TO-105
ME 0802	400mW	500mA	100V	80V	5V	40/400 @ 1V @ 100mA	0.30V @ 150/15.0mA	15pF	80MHz @ 50mA	TO-105
ME 0803	400mW	500mA	80V	60V	5V	100/400 @ 1V @ 100mA	0.30V @ 150/15.0mA	15pF	80MHz @ 50mA	TO-105
MA 0401	600mW	500mA	60V	50V	5V	40/200 @ 10V @ 150mA	0.25V @ 150/15.0mA	6pF	250MHz @ 50mA	TO-39
MA 0402	600mW	500mA	40V	40V	5V	100/300 @ 10V @ 150mA	0.35V @ 150/15.0mA	6pF	250MHz @ 50mA	TO-39
MA 0404	400mW	500mA	25V	25V	4V	30/300 @ 1V @ 50mA	0.30V @ 50/ 5.0mA	6pF	150MHz @ 50mA	TO-18
MA 0404-1	400mW	500mA	40V	30V	5V	30/200 @ 1V @ 50mA	0.25V @ 50/ 2.5mA	6pF	200MHz @ 50mA	TO-18
MA 0404-2	400mW	500mA	40V	30V	5V	75/300 @ 1V @ 50mA	0.25V @ 50/ 2.5mA	6pF	200MHz @ 50mA	TO-18
2N 721	400mW	500mA	50V	35V	5V	20/ 45 @ 10V @ 150mA	1.50V @ 150/15.0mA	45pF	50MHz @ 50mA	TO-18
2N 722	400mW	500mA	50V	35V	5V	30/ 90 @ 10V @ 150mA	1.50V @ 150/15.0mA	45pF	60MHz @ 50mA	TO-18
2N 1'31	600mW	600mA	50V	35V	5V	20/ 45 @ 10V @ 150mA	1.50V @ 150/15.0mA	45pF	50MHz @ 50mA	TO-39
2N 1132	600mW	600mA	50V	35V	5V	30/ 90 @ 10V @ 150mA	1.50V @ 150/15.0mA	45pF	60MHz @ 50mA	TO-39
2N 3072	800mW	500mA	60V	60V	4V	30/130 @ 1V @ 50mA	0.25V @ 50/ 2.5mA	10pF	130MHz @ 50mA	TO-39
2N 3073	360mW	500mA	60V	60V	4V	30/130 @ 1V @ 50mA	0.25V @ 50/ 2.5mA	10pF	130MHz @ 50mA	TO-18
2N 3120	800mW	500mA	45V	45V	4V	30/130 @ 1V @ 50mA	0.25V @ 50/ 2.5mA	10pF	130MHz @ 50mA	TO-39
2N 3121	360mW	500mA	45V	45V	4V	30/130 @ 1V @ 50mA	0.25V @ 50/ 2.5mA	10pF	130MHz @ 50mA	TO-18
2N 3638	300mW	500mA	25V	25V	4V	30/ - @ 1V @ 50mA	0.25V @ 50/ 2.5mA	20pF	100MHz @ 50mA	TO-105
2N 3638A	300mW	500mA	25V	25V	4V	100/ - @ 1V @ 50mA	0.25V @ 50/ 2.5mA	10pF	150MHz @ 50mA	TO-105
2N 3644	300mW	150mA	45V	45V	5V	115/300 @ 1V @ 50mA	0.25V @ 50/ 2.5mA	8pF	200MHz @ 20mA	TO-105
2N 3645	300mW	150mA	60V	60V	5V	115/300 @ 1V @ 50mA	0.25V @ 50/ 2.5mA	8pF	200MHz @ 20mA	TO-105
2N 3702	300mW	500mA	40V	25V	5V	60/300 @ 5V @ 50mA	0.25V @ 50/ 5.0mA	12pF	100MHz @ 50mA	TO-92B
2N 3703	300mW	500mA	50V	30V	5V	30/150 @ 5V @ 50mA	0.25V @ 50/ 5.0mA	12pF	100MHz @ 50mA	TO-92B
2N 4030	800mW	1A	60V	60V	5V	40/120 @ 5V @ 100mA	0.15V @ 150/15.0mA	20pF	100MHz @ 50mA	TO-39
2N 4031	800mW	1A	80V	80V	5V	40/120 @ 5V @ 100mA	0.15V @ 150/15.0mA	20pF	100MHz @ 50mA	TO-39
2N 4032	800mW	1A	60V	60V	5V	100/300 @ 5V @ 100mA	0.15V @ 150/15.0mA	20pF	150MHz @ 50mA	TO-39
2N 4033	800mW	1A	80V	80V	5V	100/300 @ 5V @ 100mA	0.15V @ 150/15.0mA	20pF	150MHz @ 50mA	TO-39
2N 4036	1W	1A	90V	65V	7V	40/140 @ 10V @ 150mA	0.65V @ 150/15.0mA	10pF	60MHz @ 50mA	TO-39
2N 4037	1W	1A	60V	40V	7V	50/250 @ 10V @ 150mA	1.40V @ 150/15.0mA	30pF	60MHz @ 200mA	TO-39
2N 4142	300mW	150mA	60V	40V	5V	40/120 @ 10V @ 150mA	0.40V @ 150/15.0mA	8pF	200MHz @ 50mA	TO-106
2N 4143	300mW	150mA	60V	40V	5V	100/300 @ 10V @ 150mA	0.40V @ 150/15.0mA	8pF	200MHz @ 50mA	TO-106
2N 4234	1W	3A	40V	40V	7V	30/150 @ 1V @ 250mA	0.60V @ 100/12.5mA	100pF	3MHz @ 100mA	TO-39
2N 4235	1W	3A	60V	60V	7V	30/150 @ 1V @ 250mA	0.60V @ 100/12.5mA	100pF	3MHz @ 100mA	TO-39
2N 4236	1W	3A	80V	80V	7V	30/150 @ 1V @ 250mA	0.60V @ 100/12.5mA	100pF	3MHz @ 100mA	TO-39
2N 4314	1W	1A	90V	65V	7V	50/250 @ 10V @ 150mA	1.40V @ 150/15.0mA	30pF	60MHz @ 50mA	TO-39
2N 4354	350mW	500mA	60V	60V	5V	50/500 @ 10V @ 10mA	0.50V @ 500/50.0mA	30pF	100MHz @ 50mA	TO-105
2N 4355	350mW	600mA	60V	60V	5V	100/400 @ 10V @ 10mA	0.50V @ 500/50.0mA	30pF	60MHz @ 50mA	TO-105
2N 4356	350mW	600mA	80V	80V	5V	50/250 @ 10V @ 10mA	0.50V @ 500/50.0mA	30pF	100MHz @ 50mA	TO-105
2N 4971	200mW	500mA	50V	40V	5V	40/120 @ 10V @ 150mA	0.15V @ 150/15.0mA	8pF	200MHz @ 50mA	TO-106
2N 4972	200mW	500mA	50V	40V	5V	100/300 @ 10V @ 150mA	0.40V @ 150/15.0mA	8pF	200MHz @ 50mA	TO-106
2N 5022	1W	1A	50V	50V	5V	25/100 @ 1V @ 500mA	0.40V @ 500/50.0mA	25pF	170MHz @ 50mA	TO-39
2N 5142	300mW	500mA	20V	20V	4V	30/ - @ 1V @ 50mA	0.50V @ 50/ 2.5mA	10pF	100MHz @ 50mA	TO-105
2N 5143	200mW	500mA	20V	20V	4V	30/ - @ 1V @ 50mA	0.50V @ 50/ 2.5mA	10pF	100MHz @ 50mA	TO-106
2N 5447	300mW	500mA	40V	25V	5V	60/300 @ 5V @ 50mA	0.25V @ 50/ 5.0mA	12pF	100MHz @ 50mA	TO-92F <sup>†</sup>
2N 5448	300mW	500mA	50V	30V	5V	30/150 @ 5V @ 50mA	0.25V @ 50/ 5.0mA	12pF	100MHz @ 50mA	TO-92F <sup>†</sup>
2N 5821	500mW	750mA	70V	60V	5V	60/120 @ 2V @ 2mA	0.75V @ 500/50.0mA	15pF	100MHz @ 50mA	TO-106

<sup>†</sup>Leads preformed to spacings of TO-18