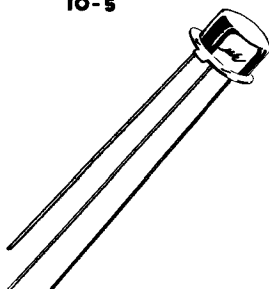
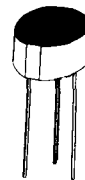


General Purpose Transistors

TO-5



TO-105



TYPE NO. NPN	Maximum Ratings					Electrical Characteristics @ T _A = 25°C					CASE
	P _D	I _C	BV _{CBO}	LV _{CEO}	BV _{EBO}	h _{FE} @ V _{CE} @ I _C	V _{CE(sat)} @ I _C /I _B	C _{ob}	f _T @ I _C		
	@ T _A = 25°C					min./max.	max.	max.	min.		
2N 3109	800mW	150mA	80V	40V	7V	100/300 @ 1V @ 150mA	0.25V @ 150/15.0mA	25pF	70MHz @ 50mA	TO-5	
2N 3110	800mW	150mA	80V	40V	7V	40/120 @ 1V @ 150mA	0.25V @ 150/15.0mA	25pF	60MHz @ 50mA	TO-5	
2N 3414	360mW	500mA	25V	25V	5V	75/225 @ 4.5V @ 2mA	0.30V @ 50/ 5.0mA	—	—	TO-92B	
2N 3415	360mW	500mA	25V	25V	5V	180/540 @ 4.5V @ 2mA	0.30V @ 50/ 5.0mA	—	—	TO-92B	
2N 3498	1W	500mA	100V	100V	6V	40/120 @ 10V @ 150mA	0.25V @ 50/ 5.0mA	10pF	150MHz @ 20mA	TO-39	
2N 3499	1W	500mA	100V	100V	6V	100/300 @ 10V @ 150mA	0.25V @ 50/ 5.0mA	10pF	150MHz @ 20mA	TO-39	
2N 3566	300mW	200mA	40V	30V	5V	150/600 @ 10V @ 150mA	1.00V @ 100/10.0mA	25pF	40MHz @ 30mA	TO-105	
2N 3567	300mW	500mA	80V	40V	5V	40/120 @ 1V @ 150mA	0.25V @ 150/15.0mA	20pF	60MHz @ 50mA	TO-105	
2N 3568	300mW	500mA	80V	60V	5V	40/120 @ 1V @ 150mA	0.25V @ 150/15.0mA	20pF	60MHz @ 50mA	TO-105	
2N 3569	300mW	500mA	80V	40V	5V	100/300 @ 1V @ 150mA	0.25V @ 150/15.0mA	20pF	60MHz @ 50mA	TO-105	
2N 3641	350mW	500mA	60V	30V	5V	40/120 @ 10V @ 150mA	0.22V @ 150/15.0mA	8pF	250MHz @ 50mA	TO-105	
2N 3642	350mW	500mA	60V	45V	5V	40/120 @ 10V @ 150mA	0.22V @ 150/15.0mA	8pF	250MHz @ 50mA	TO-105	
2N 3643	350mW	500mA	60V	30V	5V	100/300 @ 10V @ 150mA	0.22V @ 150/15.0mA	8pF	250MHz @ 50mA	TO-105	
2N 3678	800mW	800mA	75V	55V	6V	40/120 @ 10V @ 150mA	0.40V @ 150/15.0mA	8pF	250MHz @ 20mA	TO-39	
2N 3704	360mW	800mA	50V	30V	5V	100/300 @ 2V @ 50mA	0.60V @ 100/10.0mA	—	100MHz @ 50mA	TO-92B	
2N 3705	360mW	800mA	50V	30V	5V	50/150 @ 2V @ 50mA	0.80V @ 100/10.0mA	—	100MHz @ 50mA	TO-92B	
2N 3706	350mW	800mA	40V	20V	5V	30/600 @ 2V @ 50mA	1.00V @ 100/10.0mA	—	100MHz @ 50mA	TO-92B	
2N 3724	800mW	500mA	50V	30V	6V	60/150 @ 1V @ 100mA	0.42V @ 500/50.0mA	12pF	300MHz @ 50mA	TO-5	
2N 3724A	1W	1.2A	50V	30V	6V	60/150 @ 1V @ 100mA	0.42V @ 500/150mA	12pF	300MHz @ 50mA	TO-5	
2N 3725	800mW	500mA	80V	50V	6V	60/150 @ 1V @ 100mA	0.52V @ 500/50.0mA	10pF	300MHz @ 50mA	TO-5	
2N 3725A	1W	1.2A	80V	50V	6V	60/150 @ 1V @ 100mA	0.52V @ 500/50.0mA	10pF	300MHz @ 50mA	TO-5	
2N 3945	300mW	—	70V	50V	—	40/250 @ 10V @ 150mA	0.50V @ 150/15.0mA	—	60MHz @ —	TO-5	
2N 4140	300mW	500mA	60V	30V	5V	40/120 @ 10V @ 150mA	0.40V @ 150/15.0mA	8pF	250MHz @ 20mA	TO-106	
2N 4141	300mW	500mA	60V	30V	5V	100/300 @ 10V @ 150mA	0.40V @ 150/15.0mA	8pF	250MHz @ 20mA	TO-106	
2N 4237	#6W	3A	50V	40V	5V	30/150 @ 1V @ 250mA	0.30V @ 500/50.0mA	100pF	2MHz @ 100mA	TO-5	
2N 4238	#6W	3A	80V	60V	6V	30/150 @ 1V @ 250mA	0.30V @ 500/50.0mA	100pF	2MHz @ 100mA	TO-5	
2N 4943	800mW	800mA	120V	80V	7V	100/300 @ 10V @ 150mA	0.25V @ 150/15.0mA	12pF	150MHz @ 50mA	TO-39	
2N 4944	220mW	500mA	80V	40V	5V	40/120 @ 1V @ 150mA	0.25V @ 150/15.0mA	25pF	60MHz @ 50mA	TO-106	
2N 5449	360mW	800mA	40V	20V	5V	100/300 @ 2V @ 50mA	0.60V @ 100/10.0mA	12pF	100MHz @ 50mA	TO-92F	
2N 5816	500mW	750mA	50V	40V	5V	100/200 @ 2V @ 2mA	0.75V @ 500/50.0mA	15pF	120MHz @ 50mA	TO-92F†	
2N 5820	500mW	750mA	70V	60V	5V	60/120 @ 2V @ 2mA	0.75V @ 500/50.0mA	15pF	100MHz @ 50mA	TO-92F†	
BC 115	300mW	200mA	40V	30V	5V	100/400 @ 10V @ 10mA	1.00V @ 100/10.0mA	25pF	40MHz @ —	TO-105	
BC 119	800mW	1A	60V	30V	5V	40/120 @ 1V @ 150mA	0.35V @ 150/15.0mA	25pF	40MHz @ —	TO-5	
BC 125	300mW	500mA	50V	30V	5V	30/ — @ 1V @ 150mA	0.50V @ 150/15.0mA	25pF	40MHz @ 50mA	TO-105	
BC 136	300mW	500mA	60V	40V	5V	30/ — @ 10V @ 10mA	1.50V @ 500/50.0mA	25pF	60MHz @ —	TO-105	
BC 138	800mW	1A	60V	40V	5V	35/ — @ 2V @ 500mA	1.50V @ 1.0/0.1A	25pF	40MHz @ —	TO-5	
BC 140	750mW	1A	80V	40V	7V	40/250 @ 1V @ 100mA	1.00V @ 1.0/0.1A	25pF	50MHz @ 50mA	TO-39	
BC 140-6	750mW	1A	80V	40V	7V	40/100 @ 1V @ 100mA	1.00V @ 1.0/0.1A	25pF	50MHz @ 50mA	TO-39	
BC 140-10	750mW	1A	80V	40V	7V	60/160 @ 1V @ 100mA	1.00V @ 1.0/0.1A	25pF	50MHz @ 50mA	TO-39	
BC 140-16	750mW	1A	80V	40V	7V	100/250 @ 1V @ 100mA	1.00V @ 1.0/0.1A	25pF	50MHz @ 50mA	TO-39	
BC 141	750mW	1A	100V	60V	7V	40/250 @ 1V @ 100mA	1.00V @ 1.0/0.1A	25pF	50MHz @ 50mA	TO-39	
BC 141-6	750mW	1A	100V	60V	7V	40/100 @ 1V @ 100mA	1.00V @ 1.0/0.1A	25pF	50MHz @ 50mA	TO-39	
BC 141-10	750mW	1A	100V	60V	7V	60/160 @ 1V @ 100mA	1.00V @ 1.0/0.1A	25pF	50MHz @ 50mA	TO-39	
BC 141-16	750mW	1A	100V	60V	7V	100/250 @ 1V @ 100mA	1.00V @ 1.0/0.1A	25pF	50MHz @ 50mA	TO-39	
BC 142	800mW	1A	80V	60V	5V	20/ — @ 2V @ 200mA	0.40V @ 200/20.0mA	12pF	—	TO-39	
BC 211	800mW	1A	80V	40V	7V	40/250 @ 1V @ 300mA	1.00V @ 1.0/0.1A	6pF	30MHz @ 50mA	TO-39	
BC 211A	800mW	1A	80V	60V	5V	40/250 @ 1V @ 150mA	1.00V @ 1.0/0.1A	25pF	50MHz @ 50mA	TO-39	
BC 267	375mW	500mA	50V	45V	6V	125/500 @ 5V @ 2mA	0.20V @ 10/ 0.5mA	12pF	150MHz @ 50mA	TO-18	
BC 268	375mW	500mA	30V	20V	6V	125/900 @ 5V @ 2mA	0.20V @ 10/ 0.5mA	12pF	150MHz @ 50mA	TO-18	
BC 269	375mW	500mA	30V	20V	6V	240/900 @ 5V @ 2mA	0.20V @ 10/ 0.5mA	12pF	150MHz @ 50mA	TO-18	

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