

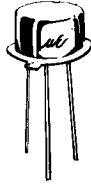
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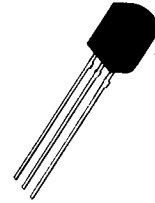
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General Purpose Transistors

TO-39



TO-92



TYPE NO. NPN	Maximum Ratings					Electrical Characteristics @ T _A = 25°C				CASE
	P _D @ T _A = 25°C	I _C	BV _{CEO}	LV _{CEO}	BV _{EB0}	h _{FE} @ V _{CE} @ I _C min./max.	V _{CE(sat)} @ I _C /I _B max.	C _{ob} max.	f _T @ I _C min.	
BC 300	850mW	1A	120V	80V	6V	40/240 @ 10V @ 150mA	0.50V @ 150/15.0mA	10pF	120MHz @ 10mA	TO-39
BC 300-4	850mW	1A	120V	80V	6V	40/ 80 @ 10V @ 150mA	0.50V @ 150/15.0mA	10pF	120MHz @ 10mA	TO-39
BC 300-5	850mW	1A	120V	80V	6V	70/140 @ 10V @ 150mA	0.50V @ 150/15.0mA	10pF	120MHz @ 10mA	TO-39
BC 300-6	850mW	1A	120V	80V	6V	120/240 @ 10V @ 150mA	0.50V @ 150/15.0mA	10pF	120MHz @ 10mA	TO-39
BC 301	850mW	1A	90V	60V	6V	40/240 @ 10V @ 150mA	0.50V @ 150/15.0mA	10pF	120MHz @ 10mA	TO-39
BC 302	850mW	1A	60V	45V	6V	40/240 @ 10V @ 150mA	0.50V @ 150/15.0mA	10pF	120MHz @ 10mA	TO-39
BC 302-4	850mW	1A	60V	45V	6V	40/ 80 @ 10V @ 150mA	0.50V @ 150/15.0mA	10pF	120MHz @ 10mA	TO-39
BC 302-5	850mW	1A	60V	45V	6V	70/140 @ 10V @ 150mA	0.50V @ 150/15.0mA	10pF	120MHz @ 10mA	TO-39
BC 302-6	850mW	1A	60V	45V	6V	120/240 @ 10V @ 150mA	0.50V @ 150/15.0mA	10pF	120MHz @ 10mA	TO-39
BC 337	500mW	500mA	50V	45V	5V	100/600 @ 1V @ 100mA	0.70V @ 500/50.0mA	12pF*	70MHz* @ 50mA	TO-92F†
BC 337-16	500mW	500mA	50V	45V	5V	100/250 @ 1V @ 100mA	0.70V @ 500/50.0mA	12pF*	70MHz* @ 50mA	TO-92F†
BC 337-25	500mW	500mA	50V	45V	5V	160/400 @ 1V @ 100mA	0.70V @ 500/50.0mA	12pF*	70MHz* @ 50mA	TO-92F†
BC 337-40	500mW	500mA	50V	45V	5V	250/630 @ 1V @ 100mA	0.70V @ 500/50.0mA	12pF*	70MHz* @ 50mA	TO-92F†
BC 338	500mW	500mA	30V	25V	5V	100/600 @ 1V @ 100mA	0.70V @ 500/50.0mA	12pF*	70MHz* @ 50mA	TO-92F†
BC 338-16	500mW	500mA	30V	25V	5V	100/250 @ 1V @ 100mA	0.70V @ 500/50.0mA	12pF*	70MHz* @ 50mA	TO-92F†
BC 338-25	500mW	500mA	30V	25V	5V	160/400 @ 1V @ 100mA	0.70V @ 500/50.0mA	12pF*	70MHz* @ 50mA	TO-92F†
BC 338-40	500mW	500mA	30V	25V	5V	250/630 @ 1V @ 100mA	0.70V @ 500/50.0mA	12pF*	70MHz* @ 50mA	TO-92F†
BC 441	1W	2A	75V	60V	5V	40/250 @ 4V @ 500mA	1.00V @ 1.0/0.1A	20pF	50MHz @ —	TO-39
BC 340	800mW	500mA	40V	40V	5V	40/250 @ 5V @ 50mA	0.40V @ 150/15.0mA	12pF	100MHz* @ 50mA	TO-39
BC 341	800mW	500mA	60V	60V	5V	40/160 @ 5V @ 50mA	0.40V @ 150/15.0mA	10pF	100MHz* @ 50mA	TO-39
BFX 51	600mW	1A	80V	35V	6V	40/ — @ 10V @ 150mA	0.35V @ 150/15.0mA	12pF	60MHz @ 10mA	TO-18
BFX 84	800mW	1A	100V	60V	6V	30/ — @ 10V @ 150mA	0.35V @ 150/15.0mA	12pF	50MHz @ 50mA	TO-39
BFX 85	800mW	1A	100V	60V	6V	70/ — @ 10V @ 150mA	0.35V @ 150/15.0mA	12pF	50MHz @ 50mA	TO-39
BFX 86	800mW	1A	40V	35V	5V	70/ — @ 10V @ 150mA	0.35V @ 150/15.0mA	12pF	50MHz @ 50mA	TO-39
BFY 50	800mW	1A	80V	35V	6V	30/ — @ 10V @ 150mA	0.20V @ 150/15.0mA	12pF	60MHz @ 50mA	TO-39
BFY 51	800mW	1A	60V	30V	6V	40/ — @ 10V @ 150mA	0.35V @ 150/15.0mA	12pF	60MHz @ 50mA	TO-39
BFY 52	800mW	1A	40V	20V	6V	60/ — @ 10V @ 150mA	0.35V @ 150/15.0mA	12pF	50MHz @ 50mA	TO-39
BFY 56	800mW	1A	80V	45V	5V	30/150 @ 1V @ 150mA	0.30V @ 150/15.0mA	25pF	40MHz @ 50mA	TO-39
BFY 56A	800mW	1A	80V	55V	7V	40/200 @ 1V @ 150mA	0.30V @ 150/15.0mA	25pF	50MHz @ 50mA	TO-39
BFY 72	800mW	—	50V	28V	5V	40/150 @ 10V @ 150mA	0.25V @ 150/15.0mA	8pF	250MHz @ 50mA	TO-39
BSY 44	800mW	1A	75V	—	7V	40/120 @ 10V @ 150mA	1.50V @ 150/15.0mA	25pF	60MHz @ 50mA	TO-39
BSY 51	800mW	500mA	60V	25V	5V	40/120 @ 10V @ 150mA	0.80V @ 150/15.0mA	10pF	100MHz @ 50mA	TO-39
BSY 52	800mW	500mA	60V	25V	5V	100/300 @ 10V @ 150mA	0.80V @ 150/15.0mA	10pF	130MHz @ 50mA	TO-39
BSY 53	800mW	750mA	75V	30V	7V	40/120 @ 10V @ 150mA	1.20V @ 500/50.0mA	10pF	100MHz @ 50mA	TO-39
BSY 54	800mW	750mA	75V	30V	7V	100/300 @ 10V @ 150mA	1.20V @ 500/50.0mA	10pF	145MHz @ 50mA	TO-39
BSY 55	800mW	500mA	120V	80V	7V	40/120 @ 10V @ 150mA	1.30V @ 150/50.0mA	10pF	100MHz @ 50mA	TO-39
BSY 56	800mW	500mA	120V	80V	7V	100/300 @ 10V @ 150mA	1.30V @ 150/50.0mA	10pF	145MHz @ 50mA	TO-39
BSY 81	900mW	1A	40V	18V	7V	40/120 @ 10V @ 150mA	1.20V @ 1.0/0.1A	18pF	100MHz @ 50mA	TO-39
BSY 82	900mW	1A	40V	18V	7V	100/300 @ 10V @ 150mA	1.20V @ 1.0/0.1A	15pF	120MHz @ 50mA	TO-39
BSY 83	900mW	1A	80V	35V	7V	40/120 @ 10V @ 150mA	1.00V @ 1.0/0.1A	15pF	100MHz @ 50mA	TO-39
BSY 84	900mW	1A	80V	35V	7V	100/300 @ 10V @ 150mA	1.00V @ 1.0/0.1A	15pF	120MHz @ 50mA	TO-39
BSY 85	900mW	1A	120V	64V	7V	40/120 @ 10V @ 150mA	1.00V @ 1.0/0.1A	15pF	110MHz @ 50mA	TO-39
BSY 86	900mW	1A	120V	64V	7V	100/300 @ 10V @ 150mA	1.00V @ 1.0/0.1A	15pF	130MHz @ 50mA	TO-39
BSY 87	800mW	500mA	100V	60V	7V	40/120 @ 10V @ 150mA	0.60V @ 150/15.0mA	10pF	110MHz @ 50mA	TO-39
BSY 88	800mW	500mA	100V	60V	7V	100/300 @ 10V @ 150mA	0.60V @ 150/15.0mA	10pF	145MHz @ 50mA	TO-39
BSY 90	800mW	500mA	60V	25V	5V	250/ — @ 10V @ 150mA	0.80V @ 150/15.0mA	10pF	170MHz @ 50mA	TO-5