

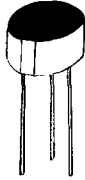
## **The Data Book Project**

DatasheetArchive.com has launched an ambitious effort to digitize thousands of obsolete data books and technical manuals, making them searchable via the DatasheetArchive website.

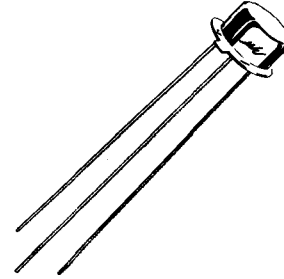
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# General Purpose Transistors

TO-105



TO-5



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>	BVEBO	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.	
BC 116	300mW	600mA	60V	40V	5V	40/120 @ 10V @ 150mA	0.25V @ 50/ 5.0mA	8pF	200MHz @ 30mA	TO-105
BC 116A	300mW	600mA	60V	40V	5V	80/240 @ 10V @ 150mA	0.25V @ 50/ 5.0mA	8pF	200MHz @ 30mA	TO-105
BC 126	300mW	600mA	35V	30V	5V	30/120 @ 1V @ 150mA	0.50V @ 150/15.0mA	8pF	80MHz @ 10mA	TO-105
BC 137	300mW	600mA	40V	40V	5V	25/ - @ 4V @ 50mA	2.00V @ 500/50.0mA	5pF	-	TO-105
BC 139	700mW	500mA	40V	40V	5V	40/ - @ 10V @ 100mA	1.20V @ 500/50.0mA	10pF	40MHz @ 50mA	TO-39
BC 143	800mW	1A	60V	60V	5V	15/ - @ 1V @ 500mA	0.50V @ 500/50.0mA	13pF	60MHz @ 50mA	TO-39
BC 160	800mW	1A	40V	40V	5V	40/250 @ 1V @ 100mA	1.00V @ 1.0/0.1A	30pF	50MHz @ 50mA	TO-39
BC 160-6	800mW	1A	40V	40V	5V	40/100 @ 1V @ 100mA	1.00V @ 1.0/0.1A	30pF	50MHz @ 50mA	TO-39
BC 160-10	800mW	1A	40V	40V	5V	63/160 @ 1V @ 100mA	1.00V @ 1.0/0.1A	30pF	50MHz @ 50mA	TO-39
BC 160-16	800mW	1A	40V	40V	5V	100/250 @ 1V @ 100mA	1.00V @ 1.0/0.1A	30pF	50MHz @ 50mA	TO-39
BC 161	800mW	1A	60V	60V	5V	40/250 @ 1V @ 100mA	1.00V @ 1.0/0.1A	30pF	50MHz @ 50mA	TO-39
BC 161-6	800mW	1A	60V	60V	5V	40/100 @ 1V @ 100mA	1.00V @ 1.0/0.1A	30pF	50MHz @ 50mA	TO-39
BC 161-10	800mW	1A	60V	60V	5V	63/160 @ 1V @ 100mA	1.00V @ 1.0/0.1A	30pF	50MHz @ 50mA	TO-39
BC 161-16	800mW	1A	60V	60V	5V	100/250 @ 1V @ 100mA	1.00V @ 1.0/0.1A	30pF	50MHz @ 50mA	TO-39
BC 221	300mW	500mA	30V	30V	5V	50/115 @ 5V @ 10mA	1.00V @ 300/30.0mA	15pF	75MHz	TO-105
BC 283	400mW	600mA	30V	30V	5V	40/270 @ 5V @ 50mA	1.00V @ 300/30.0mA	12pF	100MHz	TO-18
BC 287	800mW	1A	60V	60V	5V	20/200 @ 2V @ 500mA	1.00V @ 1.0/0.1A	25pF	100MHz	TO-39
BC 294	600mW	600mA	60V	60V	5V	100/300 @ 10V @ 150mA	0.40V @ 150/15.0mA	-	-	TO-5
BC 297	375mW	1A	50V	45V	5V	75/260 @ 1V @ 100mA	-	12pF	100MHz @ 10mA	TO-18
BC 298	375mW	1A	30V	25V	5V	75/500 @ 1V @ 100mA	-	12pF	100MHz @ 10mA	TO-18
BC 303	850mW	500mA	85V	60V	7V	40/240 @ 10V @ 150mA	0.65V @ 150/15.0mA	10pF	120MHz @ 10mA	TO-39
BC 303-4	850mW	500mA	85V	60V	7V	40/ 80 @ 10V @ 150mA	0.65V @ 150/15.0mA	10pF	120MHz @ 10mA	TO-39
BC 303-5	850mW	500mA	85V	60V	7V	70/140 @ 10V @ 150mA	0.65V @ 150/15.0mA	10pF	120MHz @ 10mA	TO-39
BC 303-6	850mW	500mA	85V	60V	7V	120/240 @ 10V @ 150mA	0.65V @ 150/15.0mA	10pF	120MHz @ 10mA	TO-39
BC 304	850mW	500mA	60V	45V	7V	40/240 @ 10V @ 150mA	0.65V @ 150/15.0mA	10pF	120MHz @ 10mA	TO-39
BC 304-4	850mW	500mA	60V	45V	7V	40/ 80 @ 10V @ 150mA	0.65V @ 150/15.0mA	10pF	120MHz @ 10mA	TO-39
BC 304-5	850mW	500mA	60V	45V	7V	70/140 @ 10V @ 150mA	0.65V @ 150/15.0mA	10pF	120MHz @ 10mA	TO-39
BC 304-6	850mW	500mA	60V	45V	7V	120/240 @ 10V @ 150mA	0.65V @ 100/15.0mA	10pF	120MHz @ 10mA	TO-39
BC 327	625mW	500mA	50V	45V	5V	63/630 @ 1V @ 100mA	0.70V @ 500/50.0mA	12pF	100MHz @ 10mA	TO-39†
BC 328	625mW	500mA	30V	25V	5V	63/630 @ 1V @ 100mA	0.70V @ 500/50.0mA	12pF	100MHz @ 10mA	TO-92F†
BC 461	800mW	2A	75V	60V	5V	40/250 @ 4V @ 500mA	1.00V @ 1.0/0.1A	-	50MHz @ 50mA	TO-39
BC 461-4	800mW	2A	75V	60V	5V	40/ 70 @ 4V @ 500mA	1.00V @ 1.0/0.1A	-	50MHz @ 50mA	TO-39
BC 461-5	800mW	2A	75V	60V	5V	60/130 @ 4V @ 500mA	1.00V @ 1.0/0.1A	-	50MHz @ 50mA	TO-39
BC 461-6	800mW	2A	75V	60V	5V	115/250 @ 4V @ 500mA	1.00V @ 1.0/0.1A	-	50MHz @ 50mA	TO-39
BFX 29	600mW	600mA	60V	60V	5V	40/ - 10V @ 150mA	0.40V @ 150/15.0mA	12pF	100MHz @ 50mA	TO-39
BFX 30	600mW	600mA	65V	65V	5V	50/200 @ 0.4V @ 10mA	0.40V @ 150/15.0mA	12pF	-	TO-39
BFX 38	800mW	1A	55V	55V	5V	40/ - @ 5V @ 100mA	0.50V @ 500/50.0mA	20pF	100MHz @ 50mA	TO-39
BFX 39	800mW	1A	55V	55V	5V	40/ - @ 5V @ 100mA	0.50V @ 500/50.0mA	20pF	100MHz @ 50mA	TO-39
BFX 40	800mW	1A	75V	75V	5V	85/ - @ 5V @ 100mA	0.50V @ 500/50.0mA	20pF	100MHz @ 50mA	TO-39
BFX 41	800mW	1A	75V	75V	5V	85/ - @ 5V @ 100mA	0.50V @ 500/50.0mA	20pF	100MHz @ 50mA	TO-39
BFX 87	600mW	600mA	50V	50V	4V	40/ - @ 10V @ 150mA	0.40V @ 150/15.0mA	12pF	100MHz @ 50mA	TO-39
BFX 88	600mW	600mA	50V	50V	4V	40/ - @ 10V @ 150mA	0.40V @ 150/15.0mA	12pF	100MHz @ 50mA	TO-39
BFY 64	700mW	600mA	40V	40V	5V	80/ - @ 10V @ 10mA	0.50V @ 150/15.0mA	10pF	200MHz @ 50mA	TO-39