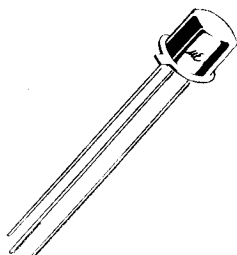


Small Signal Transistors

TO-18



TO-18G



TYPE NO. NPN	Maximum Ratings					Electrical Characteristics @ T _A = 25 °C								CASE
	P _D @ T _A = 25 °C	I _C	BV _{CBO}	LV _{CEO}	BV _{EBO}	h _{FE} @ V _{CE} @ I _C	V _{CE(sat)} @ I _C /I _B	Cob	f _T @ I _C	NF @ f				
						min./max.	max.	max.	min.	max.				
BC 237B	375mW	100mA	50V	45V	6V	200/ 450 @ 5V @ 2.00mA	0.25V @ 10/0.5mA	4.5pF	150MHz @ 10.0mA	10dB	1kHz	TO-92F [†]		
BC 238	375mW	100mA	30V	20V	5V	110/ 800 @ 5V @ 2.00mA	0.25V @ 10/0.5mA	4.5pF	150MHz @ 10.0mA	10dB	1kHz	TO-92F [†]		
BC 238A	375mW	100mA	30V	20V	5V	110/ 220 @ 5V @ 2.00mA	0.25V @ 10/0.5mA	4.5pF	150MHz @ 10.0mA	10dB	1kHz	TO-92F [†]		
BC 238B	375mW	100mA	30V	20V	5V	200/ 450 @ 5V @ 2.00mA	0.25V @ 10/0.5mA	4.5pF	150MHz @ 10.0mA	10dB	1kHz	TO-92F [†]		
BC 238C	375mW	100mA	30V	20V	5V	420/ 800 @ 5V @ 2.00mA	0.25V @ 10/0.5mA	4.5pF	150MHz @ 10.0mA	10dB	1kHz	TO-92F [†]		
BC 239	375mW	100mA	30V	20V	5V	200/ 800 @ 5V @ 2.00mA	0.25V @ 10/0.5mA	4.5pF	150MHz @ 10.0mA	4dB	1kHz	TO-92F [†]		
BC 239B	375mW	100mA	30V	20V	5V	220/ 450 @ 5V @ 2.00mA	0.25V @ 10/0.5mA	4.5pF	150MHz @ 10.0mA	4dB	1kHz	TO-92F [†]		
BC 239C	375mW	100mA	30V	20V	5V	420/ 800 @ 5V @ 2.00mA	0.25V @ 10/0.5mA	4.5pF	150MHz @ 10.0mA	4dB	1kHz	TO-92F [†]		
BC 317	350mW	150mA	50V	45V	6V	110/ 450 @ 5V @ 2.00mA	0.50V @ 100/5.0mA	4.0pF	100MHz @ 10.0mA	6dB	1kHz	TO-92A		
BC 317A	350mW	150mA	50V	45V	6V	110/ 220 @ 5V @ 2.00mA	0.50V @ 100/5.0mA	4.0pF	100MHz @ 10.0mA	6dB	1kHz	TO-92A		
BC 317B	350mW	150mA	50V	45V	6V	220/ 450 @ 5V @ 2.00mA	0.50V @ 100/5.0mA	4.0pF	100MHz @ 10.0mA	6dB	1kHz	TO-92A		
BC 318	350mW	150mA	40V	30V	5V	110/ 800 @ 5V @ 2.00mA	0.50V @ 100/5.0mA	4.0pF	100MHz @ 10.0mA	6dB	1kHz	TO-92A		
BC 318A	350mW	150mA	40V	30V	5V	110/ 220 @ 5V @ 2.00mA	0.50V @ 100/5.0mA	4.0pF	100MHz @ 10.0mA	6dB	1kHz	TO-92A		
BC 318B	350mW	150mA	40V	30V	5V	200/ 450 @ 5V @ 2.00mA	0.50V @ 100/5.0mA	4.0pF	100MHz @ 10.0mA	6dB	1kHz	TO-92A		
BC 318C	350mW	150mA	40V	30V	5V	400/ 800 @ 5V @ 2.00mA	0.50V @ 100/5.0mA	4.0pF	100MHz @ 10.0mA	6dB	1kHz	TO-92A		
BC 319	350mW	150mA	30V	20V	5V	200/ 800 @ 5V @ 2.00mA	0.50V @ 100/5.0mA	4.0pF	100MHz @ 10.0mA	6dB	1kHz	TO-92A		
BC 319B	350mW	150mA	30V	20V	5V	200/ 450 @ 5V @ 2.00mA	0.50V @ 100/5.0mA	4.0pF	100MHz @ 10.0mA	6dB	1kHz	TO-92A		
BC 319C	350mW	150mA	30V	20V	5V	400/ 800 @ 5V @ 2.00mA	0.50V @ 100/5.0mA	4.0pF	100MHz @ 10.0mA	6dB	1kHz	TO-92A		
BC 347	350mW	100mA	50V	45V	5V	40/ 450 @ 5V @ 2.00mA	0.25V @ 10/1.0mA	4.0pF	125MHz @ 5.0mA	—	—	TO-92A		
BC 347A	350mW	100mA	50V	45V	5V	110/ 220 @ 5V @ 2.00mA	0.25V @ 10/1.0mA	4.0pF	125MHz @ 5.0mA	—	—	TO-92A		
BC 347B	350mW	100mA	50V	45V	5V	200/ 450 @ 5V @ 2.00mA	0.25V @ 10/1.0mA	4.0pF	125MHz @ 5.0mA	—	—	TO-92A		
BC 348	350mW	100mA	40V	30V	5V	40/ 450 @ 5V @ 2.00mA	0.25V @ 10/1.0mA	4.0pF	125MHz @ 5.0mA	—	—	TO-92A		
BC 348A	350mW	100mA	40V	30V	5V	110/ 220 @ 5V @ 2.00mA	0.25V @ 10/1.0mA	4.0pF	125MHz @ 5.0mA	—	—	TO-92A		
BC 348B	350mW	100mA	40V	30V	5V	200/ 450 @ 5V @ 2.00mA	0.25V @ 10/1.0mA	4.0pF	125MHz @ 5.0mA	—	—	TO-92A		
BC 413B	300mW	100mA	45V	30V	5V	180/ 460 @ 5V @ 2.00mA	0.60V @ 100/5.0mA	3.0pF*	250MHz @ 10.0mA	—	—	TO-92F [†]		
BC 413C	300mW	100mA	45V	30V	5V	380/ 800 @ 5V @ 2.00mA	0.60V @ 100/5.0mA	3.0pF*	250MHz @ 10.0mA	—	—	TO-92F [†]		
BC 414B	300mW	100mA	50V	45V	5V	180/ 460 @ 5V @ 2.00mA	0.60V @ 100/5.0mA	3.0pF*	250MHz @ 10.0mA	—	—	TO-92F [†]		
BC 414C	300mW	100mA	50V	45V	5V	380/ 800 @ 5V @ 2.00mA	0.60V @ 100/5.0mA	3.0pF*	250MHz @ 10.0mA	—	—	TO-92F [†]		
BC 547	500mW	100mA	50V	45V	6V	110/ 450 @ 5V @ 2.00mA	0.60V @ 100/5.0mA	4.5pF	300MHz* @ 10.0mA	10dB	1kHz	TO-92F [†]		
BC 547A	500mW	100mA	50V	45V	6V	110/ 220 @ 5V @ 2.00mA	0.60V @ 100/5.0mA	4.5pF	300MHz* @ 10.0mA	10dB	1kHz	TO-92F [†]		
BC 547B	500mW	100mA	50V	45V	6V	200/ 450 @ 5V @ 2.00mA	0.60V @ 100/5.0mA	4.5pF	300MHz* @ 10.0mA	10dB	1kHz	TO-92F [†]		
BC 548	500mW	100mA	30V	20V	5V	110/ 800 @ 5V @ 2.00mA	0.60V @ 100/5.0mA	4.5pF	300MHz* @ 10.0mA	10dB	1kHz	TO-92F [†]		
BC 548A	500mW	100mA	30V	20V	5V	110/ 220 @ 5V @ 2.00mA	0.60V @ 100/5.0mA	4.5pF	300MHz* @ 10.0mA	10dB	1kHz	TO-92F [†]		
BC 548B	500mW	100mA	30V	20V	5V	200/ 450 @ 5V @ 2.00mA	0.60V @ 100/5.0mA	4.5pF	300MHz* @ 10.0mA	10dB	1kHz	TO-92F [†]		
BC 548C	500mW	100mA	30V	20V	5V	420/ 800 @ 5V @ 2.00mA	0.60V @ 100/5.0mA	4.5pF	300MHz* @ 10.0mA	10dB	1kHz	TO-92F [†]		
BC 549	500mW	100mA	30V	20V	5V	200/ 800 @ 5V @ 2.00mA	0.60V @ 100/5.0mA	4.5pF	300MHz* @ 10.0mA	4dB	1kHz	TO-92F [†]		
BC 549B	500mW	100mA	30V	20V	5V	200/ 450 @ 5V @ 2.00mA	0.60V @ 100/5.0mA	4.5pF	300MHz* @ 10.0mA	4dB	1kHz	TO-92F [†]		
BC 549C	500mW	100mA	30V	20V	5V	420/ 800 @ 5V @ 2.00mA	0.60V @ 100/5.0mA	4.5pF	300MHz* @ 10.0mA	4dB	1kHz	TO-92F [†]		
BCY 56	300mW	100mA	45V	45V	5V	100/ 450 @ 5V @ 2.00mA	0.20V @ 100/5.0mA	6.0pF	150MHz @ 10.0mA	5dB	1kHz	TO-18		
BCY 57	300mW	100mA	25V	20V	5V	200/ 800 @ 5V @ 2.00mA	0.20V @ 100/5.0mA	6.0pF	150MHz @ 10.0mA	5dB	1kHz	TO-18		
BCY 58	300mW	100mA	—	32V	7V	120/ 630 @ 5V @ 2.00mA	0.70V @ 100/5.0mA	6.0pF	150MHz @ 10.0mA	6dB	1kHz	TO-18		
BCY 59	300mW	100mA	—	45V	7V	120/ 630 @ 5V @ 2.00mA	0.70V @ 100/5.0mA	6.0pF	150MHz @ 10.0mA	6dB	1kHz	TO-18		
BCY 76	300mW	100mA	45V	45V	6V	140/ 230 @ 5V @ 1.00mA	0.35V @ 1/0.1mA	6.0pF	40MHz @ 0.5mA	4dB	WB	TO-18		