



**THE DATASHEET OF
BC369-BP**



Features

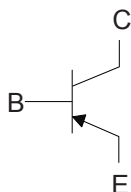
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHSÁ Compliant. See Ordering Information)

Maximum Ratings @ 25°C Unless Otherwise Specified

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 200°C/W Junction to Ambient

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V_{CBO}	-25	V
Collector-Emitter Voltage	V_{CEO}	-20	V
Emitter-Base Voltage	V_{EBO}	-5	V
Continuous Collector Current	I_C	-1	A
Power Dissipation	P_D	625	mW

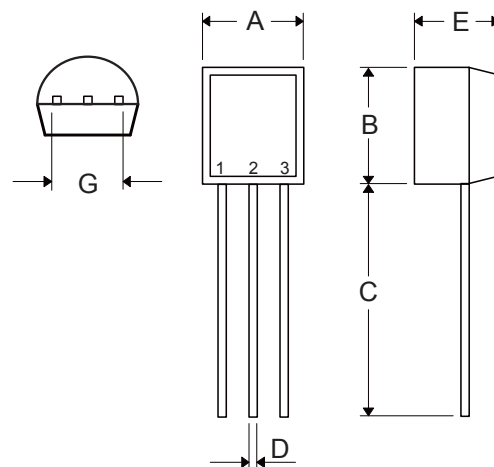
Internal Structure



1.EMITTER
2.COLLECTOR
3.BASE

PNP Plastic-Encapsulate Transistor

TO-92



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.169	0.185	4.30	4.70	
B	0.169	0.185	4.30	4.70	
C	0.500	-----	12.70	-----	
D	0.015	0.022	0.38	0.55	
E	0.130	0.146	3.30	3.70	
G	0.095	0.105	2.42	2.67	Straight Lead
	0.173	0.220	4.40	5.60	Bent

Electrical Characteristics @ $T_A=25^\circ\text{C}$ Unless Otherwise Specified

Parameter	Symbol	Min	Typ	Max	Units	Conditions
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	-25			V	$I_C=-100\mu\text{A}$, $I_E=0$
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	-20			V	$I_C=-10\text{mA}$, $I_B=0$
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	-5			V	$I_E=-10\mu\text{A}$, $I_C=0$
Collector Cut-off Current	I_{CBO}			-10	μA	$V_{CB}=-25\text{V}$, $I_E=0$
Emitter Cut-off Current	I_{EBO}			-10	μA	$V_{EB}=-5\text{V}$, $I_C=0$
DC Current Gain	$h_{FE(1)}$	85		375		$V_{CE}=-1\text{V}$, $I_C=-0.5\text{A}$
	$h_{FE(2)}$	50				$V_{CE}=-10\text{V}$, $I_C=-5\text{mA}$
	$h_{FE(3)}$	60				$V_{CE}=-1\text{V}$, $I_C=-1\text{A}$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$			-0.5	V	$I_C=-1\text{A}$, $I_B=-0.1\text{A}$
Base-Emitter Voltage	V_{BE}			-1	V	$V_{CE}=-1\text{V}$, $I_C=-1\text{A}$
Transition Frequency	f_T	65			MHz	$V_{CE}=-5\text{V}$, $I_C=-10\text{mA}$, $f=35\text{MHz}$

Ordering Information

Device	Packing
Part Number-AP	Ammo Packing: 20Kpcs/Carton
Part Number-BP	Bulk: 100Kpcs/Carton

Note : Adding "-HF" Suffix for Halogen Free, eg. Part Number-TP-HF

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