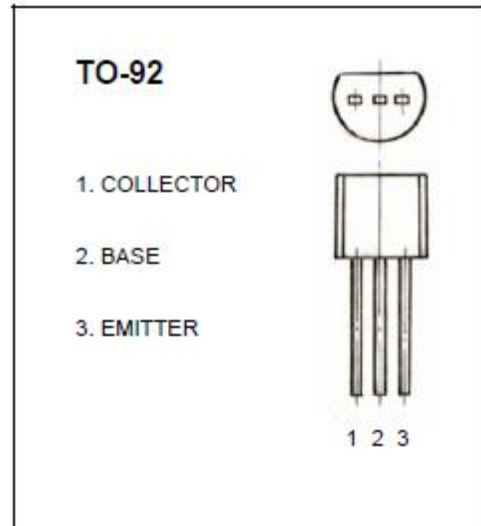


isc Silicon NPN Transistor
BC548
DESCRIPTION

- High Voltage
- Complement to Type BC558
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- For TV and home appliance equipment.


ABSOLUTE MAXIMUM RATINGS($T_a=25^{\circ}\text{C}$)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	30	V
V_{CEO}	Collector-Emitter Voltage	30	V
V_{EBO}	Emitter-Base Voltage	5	V
I_C	Collector Current-Continuous	100	mA
P_C	Collector Power Dissipation @ $T_c=25^{\circ}\text{C}$	500	mW
T_J	Junction Temperature	150	$^{\circ}\text{C}$
T_{stg}	Storage Temperature Range	-65~150	$^{\circ}\text{C}$

isc Silicon NPN Transistor**BC548****ELECTRICAL CHARACTERISTICS****T_c=25°C unless otherwise specified**

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CBO}	Collector-Base Breakdown Voltage	I _C =100 μA; I _E = 0	30			V
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = 2mA; I _B = 0	30			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = 100 μA; I _C = 0	5			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = 100mA ; I _B = 5mA			0.6	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C = 100mA ; I _B = 5mA			0.9	V
I _{CBO}	Collector Cutoff Current	V _{CB} = 30V; I _E = 0			0.1	μA
I _{CEO}	Collector Cutoff Current	V _{CE} = 30V; I _B = 0			0.1	μA
I _{EBO}	Emitter Cutoff Current	V _{EB} = 5V; I _C = 0			0.1	μA
h _{FE}	DC Current Gain	I _C = 2mA ; V _{CE} = 5V	110		800	

◆ **h_{FE} Classifications**

BC548A	BC548B	BC548C
110-220	200-450	420-800

NOTICE:

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