

isc Silicon NPN Power Transistor
2SC1195
DESCRIPTION

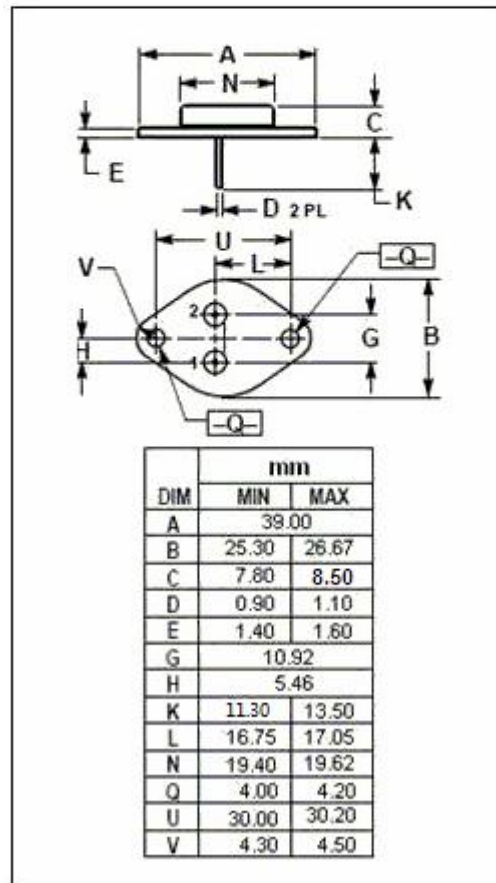
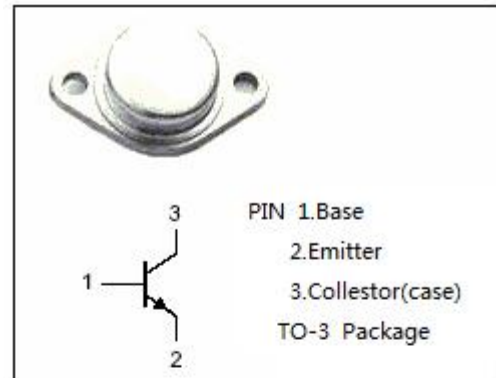
- With TO-3 Package
- High voltage
- Wide area of safe operation
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- For power amplifier applications

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

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	200	V
V_{CEO}	Collector-Emitter Voltage	200	V
V_{EBO}	Emitter-Base Voltage	5	V
I_C	Collector Current-Continuous	2.5	A
P_C	Collector Power Dissipation	100	W
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{stg}	Storage Temperature Range	-55~150	$^\circ\text{C}$



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ELECTRICAL CHARACTERISTICS

 T_c=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _c =2.5A; I _B = 0.5A			1.5	V
V _{BE(ON)}	Base-Emitter On Voltage	I _c =1.0A; V _{CE} = 5V			1.5	V
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _c = 25mA; I _B = 0	200			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = 1mA; I _c = 0	5			V
h _{FE}	DC Current Gain	I _c =1.0A; V _{CE} = 5V	30		150	

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