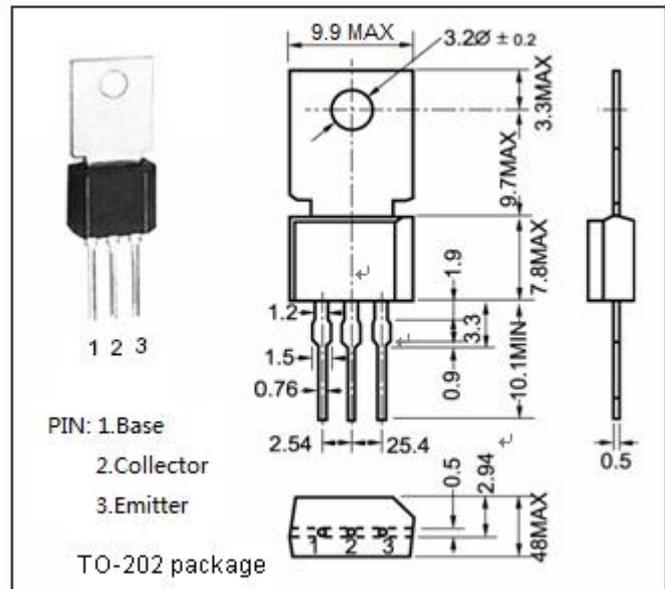


isc Silicon PNP Power Transistor
2SA1195
DESCRIPTION

- Low Collector Saturation Voltage
- High voltage
- Complement to Type 2SC2483
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Designed for audio frequency power amplifiers


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

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-160	V
V_{CEO}	Collector-Emitter Voltage	-160	V
V_{EBO}	Emitter-Base Voltage	-6	V
I_C	Collector Current-Continuous	-1.5	A
P_C	Total Power Dissipation @ $T_a=25^\circ\text{C}$	2	w
	Total Power Dissipation @ $T_c=25^\circ\text{C}$	10	W
T_J	Junction Temperature	175	$^\circ\text{C}$
T_{stg}	Storage Temperature Range	-55~150	$^\circ\text{C}$

isc Silicon PNP Power Transistor**2SA1195****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 = -500mA; I _B = -50mA			-1.0	V
V _{BE(on)}	Collector-Emitter Saturation Voltage	I _C = -50mA; V _{CE} =-5V			-0.7	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -160V; I _E = 0			-1	μ A
I _{EBO}	Emitter Cutoff Current	V _{EB} = -6V; I _C = 0			-1	μ A
h _{FE-1}	DC Current Gain	I _C = -0.5A; V _{CE} = -5V	40			
h _{FE-2}	DC Current Gain	I _C = -0.1A; V _{CE} = -5V	60		200	
f _T	Current-Gain—Bandwidth Product	I _C = -200mA; V _{CE} = -5V		50		MHz

◆ **h_{FE-2} Classifications**

R	O
60-120	100-200

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