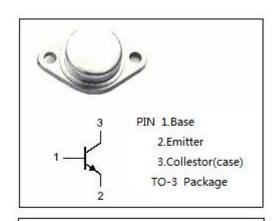


isc Silicon NPN Power Transistor

2SC1079

DESCRIPTION

- With TO-3 Package
- High power dissipation
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

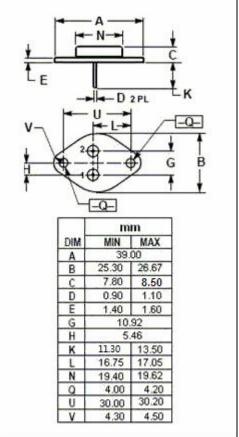


APPLICATIONS

• For audio power amplifier applications

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	PARAMETER	VALUE	UNIT	
V _{СВО}	Collector-Base Voltage	150	٧	
V _{CEO}	Collector-Emitter Voltage	150	V	
V _{EBO}	Emitter-Base Voltage	5	V	
Ic	Collector Current-Continuous	12	А	
Pc	Collector Power Dissipation	100	W	
TJ	Junction Temperature	150	$^{\circ}$	
T _{stg}	Storage Temperature Range	-65~150	$^{\circ}$	





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ELECTRICAL CHARACTERISTICS

Tc=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = 10A; I _B = 1A			3.0	V
V _{BE} (ON)	Base-Emitter ON Voltage	I _C = 10A; V _{CE} = 5V			2.5	V
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = 10mA; I _B = 0	150			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = 1mA; I _C = 0	5			V
h _{FE-1}	DC Current Gain	I _C = 2.0A; V _{CE} = 5V	40		140	
h _{FE-2}	DC Current Gain	I _C = 7.0A; V _{CE} = 5V	15			
f⊤	Current-Gain—Bandwidth Product	I _C = 2A ; V _{CE} = 5V		4		MHz

♦ h_{FE-1} Classifications

R	Y
40-80	70-140

NOTICE:

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