

## **isc Silicon PNP Power Transistor**

### **DESCRIPTION**

- · High current capability
- · High power dissipation
- Complement to the NPN MJ15026
- · 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

### **APPLICATIONS**

- Audio power amplifier
- DC to DC converter

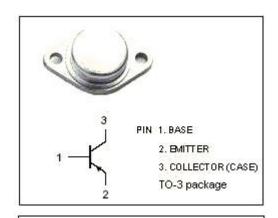


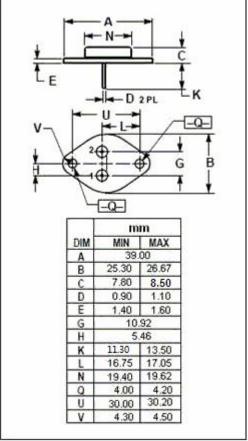
# ABSOLUTE MAXIMUM RATINGS(T<sub>a</sub>=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V <sub>CBO</sub>	Collector-Base Voltage	-200	V
V <sub>CEO</sub>	Collector-Emitter Voltage	-200	V
V <sub>EBO</sub>	Emitter-Base Voltage	-5	V
Ic	Collector Current-Continuous	-16	Α
P <sub>D</sub>	Total Power Dissipation@T <sub>C</sub> =25℃	250	W
Tj	Junction Temperature	150	$^{\circ}$
T <sub>stg</sub>	Storage Temperature	-50~150	$^{\circ}$

### THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R <sub>th j-c</sub>	Thermal Resistance,Junction to Case	0.608	°C/W







## **isc Silicon PNP Power Transistor**

**MJ15027** 

#### **ELECTRICAL CHARACTERISTICS**

Tj=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
V <sub>CEO(SUS)</sub>	Collector-Emitter Sustaining Voltage	I <sub>C</sub> = -10mA ;I <sub>B</sub> = 0	-200		V
VCE(sat)	Collector-Emitter Saturation Voltage	I <sub>C</sub> = -10A; I <sub>B</sub> = -1A		-2	V
Ісво	Collector Cutoff Current	V <sub>CB</sub> = -100V; I <sub>E</sub> =0		-0.1	mA
I <sub>EBO</sub>	Emitter Cutoff Current	V <sub>EB</sub> =- 5V; I <sub>C</sub> = 0		-0.1	mA
h <sub>FE-1</sub>	DC Current Gain	I <sub>C</sub> =- 5A ; V <sub>CE</sub> =- 5V	25		
h <sub>FE-2</sub>	DC Current Gain	I <sub>C</sub> =- 1A; V <sub>CE</sub> =- 5V	50	150	



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