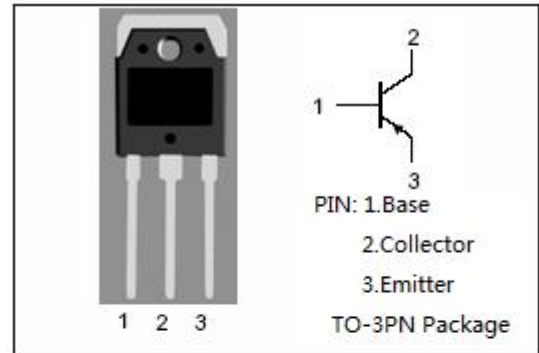


**isc Silicon PNP Power Transistor**
**2SA2063**
**DESCRIPTION**

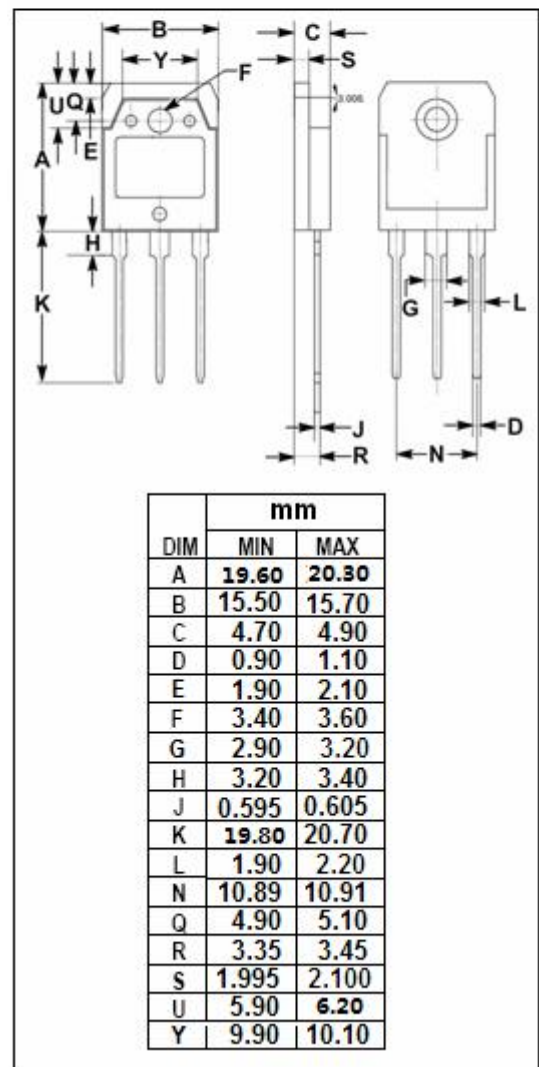
- Large current capacitance
- Wide ASO and high durability against breakdown
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

**APPLICATIONS**

- 160V/12V,AF 90W output applications


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

SYMBOL	PARAMETER	VALUE	UNIT
$V_{CBO}$	Collector-Base Voltage	-180	V
$V_{CEO}$	Collector-Emitter Voltage	-160	V
$V_{EBO}$	Emitter-Base Voltage	-6	V
$I_C$	Collector Current-Continuous	-12	A
$I_{CM}$	Collector Current-Pulse	-24	A
$P_C$	Collector Power Dissipation @ $T_a=25^{\circ}\text{C}$	2.5	W
	Collector Power Dissipation @ $T_c=25^{\circ}\text{C}$	130	
$T_J$	Junction Temperature	150	$^{\circ}\text{C}$
$T_{stg}$	Storage Temperature	-55~150	$^{\circ}\text{C}$



## isc Silicon PNP Power Transistor

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## ELECTRICAL CHARACTERISTICS

Tj=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V <sub>(BR)CEO</sub>	Collector-Emitter Breakdown Voltage	I <sub>C</sub> = -50mA ; I <sub>B</sub> = 0	-160			V
V <sub>CE(sat)</sub>	Collector-Emitter Saturation Voltage	I <sub>C</sub> = -6A ; I <sub>B</sub> = -600mA			-2.0	V
V <sub>BE(on)</sub>	Base-Emitter On Voltage	I <sub>C</sub> = -6A ; V <sub>CE</sub> = -5V			-1.5	V
I <sub>CBO</sub>	Collector Cutoff Current	V <sub>CB</sub> = -180V ; I <sub>E</sub> =0			-0.1	mA
I <sub>EBO</sub>	Emitter Cutoff Current	V <sub>EB</sub> = -4V ; I <sub>C</sub> =0			-0.1	mA
h <sub>FE-1</sub>	DC Current Gain	I <sub>C</sub> = -1A ; V <sub>CE</sub> = -5V	60		160	
h <sub>FE-2</sub>	DC Current Gain	I <sub>C</sub> = -6A ; V <sub>CE</sub> = -5V	35			

## Notice:

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