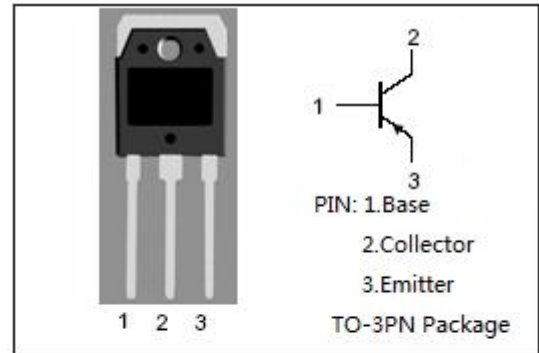


isc Silicon PNP Power Transistor
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DESCRIPTION

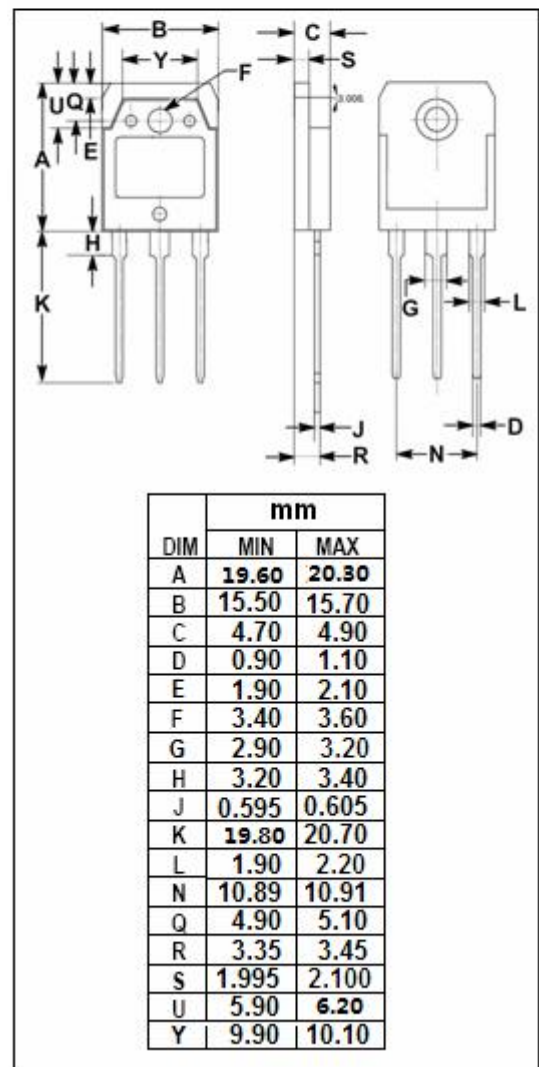
- Large current capacitance
- Wide ASO and high durability against breakdown
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

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	$^{\circ}\text{C}$



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ELECTRICAL CHARACTERISTICS

Tj=25°C unless otherwise specified

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

Notice:

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