

isc Silicon NPN Power Transistor

DESCRIPTION

- With TO-66 Package
- · Low collector saturation voltage
- Minimum Lot-to-Lot variations for robust device performance and reliable operation.

APPLICATIONS

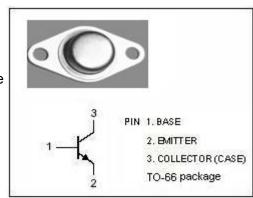
Designed for switching and wide-band amplifier applications

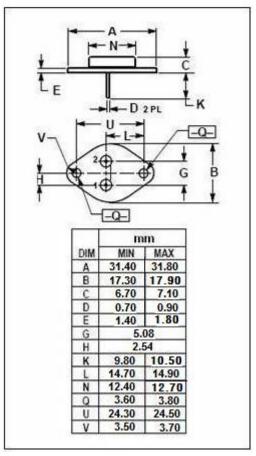
ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	150	V
V _{CEO}	Collector-Emitter Voltage	150	V
V _{EBO}	Emitter-Base Voltage	5	V
Ic	Collector Current-Continuous	0.4	Α
Pc	Collector Power Dissipation @ Tc=25°C	20	W
TJ	Junction Temperature	-65~150	$^{\circ}$
T _{stg}	Storage Temperature Range	-65~150	$^{\circ}$ C

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance, Junction to Case	6.25	°C/W







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2SC1450

ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = 0.5A; I _B = 50mA		1.5	V
Ісво	Collector Cutoff Current	V _{CB} = 150V;I _B = 0		10	uA
I _{EBO}	Emitter Cutoff Current	V _{EB} = 5V; I _C =0		10	uA
h _{FE}	DC Current Gain	I _C = 0.1A; V _{CE} = 5V	30	150	



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