

isc Silicon NPN Power Transistor

2N4396

DESCRIPTION

- · Excellent Safe Operating Area
- · Low Collector-Emitter Saturation Voltage
- The device employs the popular JEDEC TO-3
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation.

APPLICATIONS

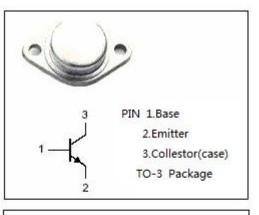
· High voltage high current power transistors

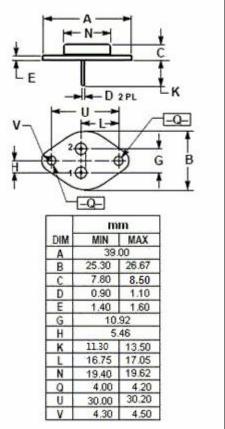
ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	80	V
V _{CEO}	Collector-Emitter Voltage	60	V
V _{EBO}	Emitter-Base Voltage	4	V
Ic	Collector Current-Continuous	5	A
Pc	Collector Power Dissipation@Tc=25°C	62	W
TJ	Junction Temperature 150		°C
T _{stg}	Storage Temperature	-65~150	°C

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	МАХ	UNIT
Rth j-c	Thermal Resistance, Junction to Case	2	°C/W





isc website: www.iscsemi.com



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ELECTRICAL CHARACTERISTICS

T_c=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	МАХ	UNIT
V _{CEO(SUS)} *	Collector-Emitter Sustaining Voltage	I _C =30mA; I _B = 0	60		V
I _{CEO}	Collector Cutoff Current	V _{CE} =60V;I _B = 0		1	mA
I _{EBO}	Emitter Cutoff Current	V _{EB} = 4V; I _C = 0		0.1	mA
h _{FE}	DC Current Gain	Ic=2A; Vc== 1V	40	170	

*:Pulse test:Pulse width=300us,duty cycle≤2%

NOTICE:

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