

isc Silicon NPN Power Transistor

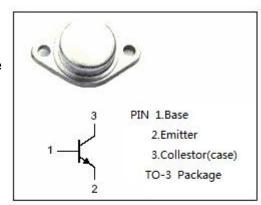
2N3226

DESCRIPTION

- Excellent Safe Operating Area
- Low Collector-Emitter Saturation Voltage
- 100% test
- Minimum Lot-to-Lot variations for robust device performance and reliable operation.



Designed for power amplifier and switching circuits applications

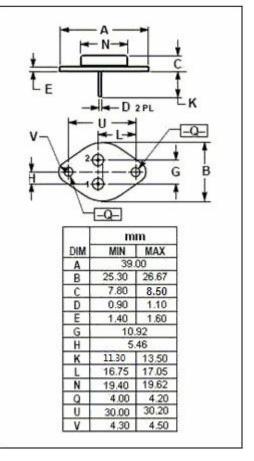


ABSOLUTE MAXIMUM RATINGS(T_a=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	35	V
V _{CER}	Collector-Emitter Voltage	35	V
V _{CEO}	Collector-Emitter Voltage	35	V
V _{EBO}	Emitter-Base Voltage	5	V
Ic	Collector Current-Continuous	5	А
Pc	Collector Power Dissipation@Tc=25°C 75		W
T _J , T _{stg}	Operating and Storage Junction Temperature Range	-65~+150	$^{\circ}$

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance,Junction to Case	1.17	°C/W





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ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
V _{CEO(SUS)}	Collector-Emitter Sustaining Voltage	I _C =30mA ; I _B =0	35		V
V _{CE(sat)-1}	Collector-Emitter Saturation Voltage	I _C = 3A; I _B = 0.3A		1.0	V
V _{CE(sat)-2}	Collector-Emitter Saturation Voltage	I _C = 5A; I _B = 1A		2.0	V
V _{BE(on)}	Base-Emitter On Voltage	Ic= 3A ; Vc= 4V		2.0	V
I _{CEO}	Collector Cutoff Current	V _{CE} =35V; I _B =0		0.1	mA
I _{EBO}	Emitter Cutoff Current	V _{EB} = 5V; I _C =0		0.1	mA
h _{FE-1}	DC Current Gain	I _C =1A; V _{CE} = 4V	40		
h _{FE-2}	DC Current Gain	I _C = 3A; V _{CE} = 4V	20		



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