

ISC Silicon NPN Power Transistor

BU132

DESCRIPTION

- · Excellent Safe Operating Area
- · Collector-Emitter Saturation Voltage-
 - : $V_{CE(sat)}$ = 1.0 V(Max)@ I_C = 0.5A
- · Collector-Emitter Sustaining Voltage-
- : V_{CEO(SUS)}= 600V(Min)
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

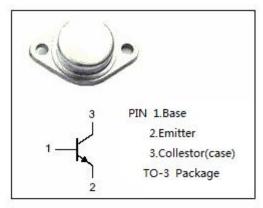


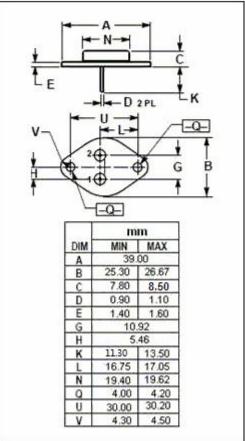
APPLICATIONS

Designed for general-purpose switching and amplifier applications



SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	800	V
V _{CEO}	Collector-Emitter Voltage	600	٧
V_{EBO}	Emitter-Base Voltage	6	٧
Ic	Collector Current-Continuous	1	Α
I _{CM}	Collector Current-Peak	2	Α
Pc	ollector Power Dissipation@Tc=25°C 15		W
TJ	Junction Temperature 150		$^{\circ}$
T _{stg}	Storage Temperature	-65~150	$^{\circ}$







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ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
V _{CEO(SUS)}	Collector-Emitter Sustaining Voltage	I _C = 50mA ; I _B = 0	600			V
V _{(BR)CBO}	Collector-Base Breakdown Voltage	I _C = 1mA; I _E = 0	800			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = 1mA; I _C = 0	6			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = 0.5A; I _B = 50mA			1.0	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C = 0.5A; I _B = 50mA			1.5	V
Ісво	Collector Base Cutoff Current	V _{CB} =800V; I _E = 0			0.1	mA
I _{EBO}	Emitter Cutoff Current	V _{EB} = 6V; I _C = 0			0.1	mA
h _{FE}	DC Current Gain	I _C = 0.25A; V _{CE} = 10V	25		125	
f⊤	Current Gain-Bandwidth Product	I _C = 0.5A ; V _{CE} = 10V		8		MHz

NOTICE:

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