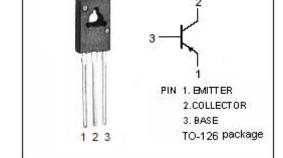


isc Silicon PNP Power Transistor

BD286

DESCRIPTION

- · Collector-Emitter Sustaining Voltage -
- : V_{CEO(SUS)}= -45V(Min)
- Collector-Emitter Saturation Voltage-
 - : $V_{CE(sat)} = -0.6V(Max)@ I_C = -2A$
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

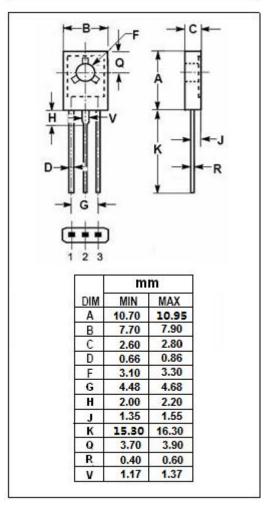


APPLICATIONS

 Designed for medium power linear and switching applications.

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	-45	V
V _{CEO}	Collector-Emitter Voltage	-45	V
V _{EBO}	Emitter-Base Voltage	-5	V
Ic	Collector Current-Continuous	-4	А
Ісм	Collector Current-Pulse	-6	А
I _B	Base Current-Continuous	-1	А
Pc	Collector Power Dissipation @ Tc=25℃	36	W
TJ	Junction Temperature	150	$^{\circ}$
T _{stg}	Storage Temperature Range	-65~150	°C





isc Silicon PNP Power Transistor

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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 = -30mA; I _B = 0	-45			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -2A; I _B = -0.2A			-0.6	V
V _{BE(on)}	Base-Emitter On Voltage	I _C = -2A; V _{CE} = -1V			-1.2	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -45V; I _E = 0			-100	μ А
I _{CEO}	Collector Cutoff Current	V _{CE} = -45V; V _{BE} = 0			-500	μ А
Ієво	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-100	μ А
h _{FE-1}	DC Current Gain	I _C = -10mA; V _{CE} = -5V	30			
h _{FE-2}	DC Current Gain	I _C = -0.5A; V _{CE} = -1V	85			
h _{FE-3}	DC Current Gain	I _C = -2A; V _{CE} = -1V	40			
f _T	Current-Gain—Bandwidth Product	I _C = -0.1A; V _{CE} = -5V	3			MHz

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