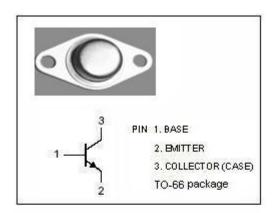


isc Silicon PNP Power Transistor

2SB563

DESCRIPTION

- · Collector-Emitter Breakdown Voltage-
 - : $V_{(BR)CEO}$ = -80V(Min)
- · Low Collector-Emitter Saturation Voltage-
 - : $V_{CE(sat)}$ = -1.0V(Max) @ I_C = -3A
- Complement to Type 2SD297
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

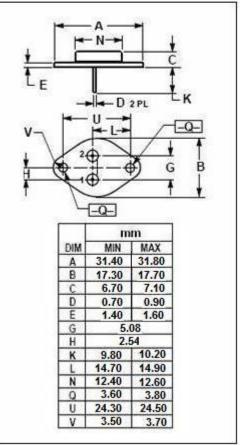


APPLICATIONS

Designed for low frequency power amplifier applications.

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT	
V_{CBO}	Collector-Base Voltage	-80	-80 V	
V _{CEO}	Collector-Emitter Voltage	-80	V	
V _{EBO}	Emitter-Base Voltage	-5	V	
Ic	Collector Current-Continuous	-3.0	А	
Pc	Collector Power Dissipation @ T _C =25℃	25	W	
TJ	Junction Temperature	150	$^{\circ}$	
T _{stg}	Storage Temperature Range	-55~150	$^{\circ}$	





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 _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = -10mA; I _B = 0	-80			V
V _{(BR)CBO}	Collector-Base Breakdown Voltage	I_C = -1mA; I_E = 0	-80			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = -1mA; I _C = 0	-5			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -3A; I _B = -0.3A			-1.0	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C = -3A; I _B = -0.3A			-1.5	V
Ісво	Collector Cutoff Current	V _{CB} = -80V; I _E = 0			-0.1	mA
I _{EBO}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-0.1	mA
h _{FE}	DC Current Gain	I _C = -1A; V _{CE} = -2V	30		200	

NOTICE:

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