

ISC Silicon PNP Power Transistor

DESCRIPTION

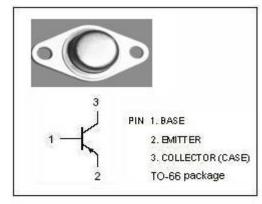
- · Collector-Emitter BreakdownVoltage-
 - : V_{(BR)CEO}= -80V(Min.)
- · Low Collector Saturation Voltage-
 - : V_{CE(sat)}= -1.0(Max.) @I_C= -2A
- Wide area of safe operation
- With TO-66 package
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

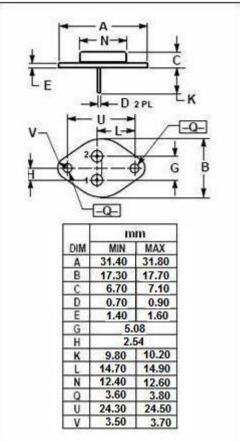
APPLICATIONS

• Designed for audio frequency power amplifiers applications.

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	-100	V
V _{CEO}	Collector-Emitter Voltage	-80	V
V _{EBO}	Emitter-Base Voltage	-5	V
Ic	Collector Current-Continuous	-4	Α
Ісм	Collector Current-Peak	-6	А
Pc	Collector Power Dissipation@Tc=25°C 40		W
TJ	Junction Temperature	150	$^{\circ}$
T _{stg}	Storage Temperature	-55~150	$^{\circ}$







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2SB609

ELECTRICAL CHARACTERISTICS

Tj=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _(BR) CEO	Collector-Emitter Breakdown Voltage	I _C = -10mA; R _{BE} = ∞	-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 = -2A; I _B = -0.2A			-1.0	V
V _{BE(on)}	Base-Emitter On Voltage	I _C =- 0.5A; V _{CE} =-4V			-1.5	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -100V; I _E = 0			-100	μ A
І _{ЕВО}	Emitter Cutoff Current	V _{EB} = 5V; I _C = 0			-100	μА
h _{FE}	DC Current Gain	I _C = -0.5A ; V _{CE} = -4V	60		320	

Notice:

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