

isc Silicon NPN Power Transistor

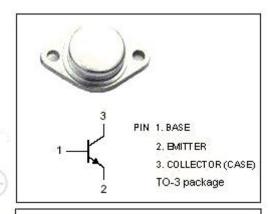
3DA98B

DESCRIPTION

- High DC Current Gain : h_{FE}>15@I_C= 1.5A
- Excellent Safe Operating Area
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

 Designed for use as an output device in complementary audio amplifiers

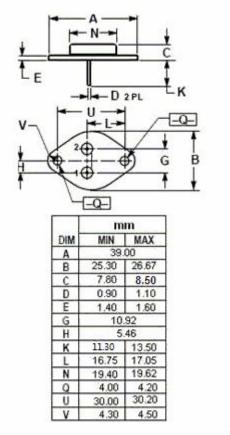


ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	80	>
V _{CEO}	Collector-Emitter Voltage 70		V
V _{EBO}	Emitter-Base Voltage	4	V
Ic	Collector Current-Continuous	5	Α
Pc	Collector Power Dissipation@T _C =25℃ 15		W
TJ	Junction Temperature	175	${\mathbb C}$
T _{stg}	Storage Temperature Range	-55-175	$^{\circ}$

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance, Junction to Case	2.5	°C/W



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ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
V _{CEO(BR)}	Collector-Emitter Breakdown Voltage	I _C =10mA; I _B =0	70			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C =3A; I _B =0.6A			2	V
І _{СВО}	Collector Cutoff Current	V _{CB} =60V; I _E =0			2.0	mA
ІЕВО	Emitter Cutoff current	V _{EB} =2V; I _C =0			1.0	mA
h _{FE}	DC Current Gain	I _C =1.5A ; V _{CE} =5V	10			

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