

isc Silicon PNP Power Transistor

2SA1486

DESCRIPTION

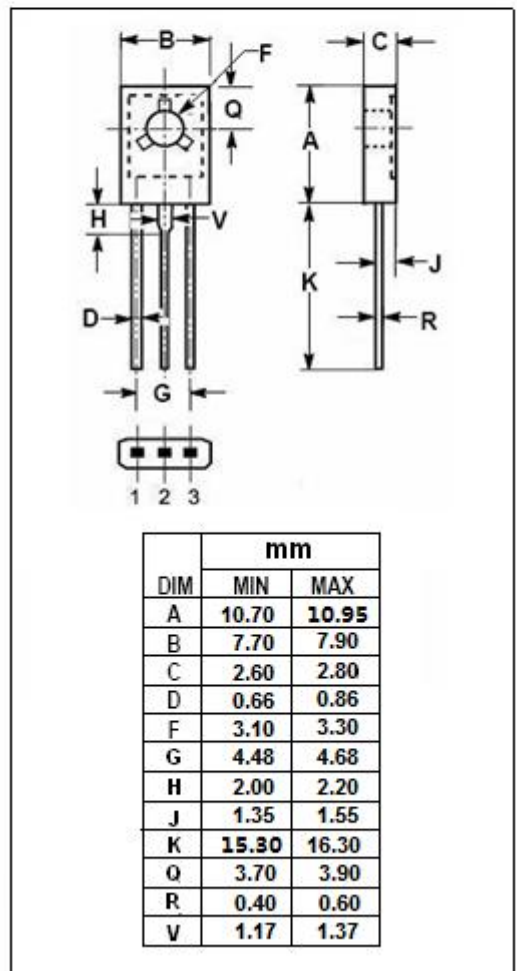
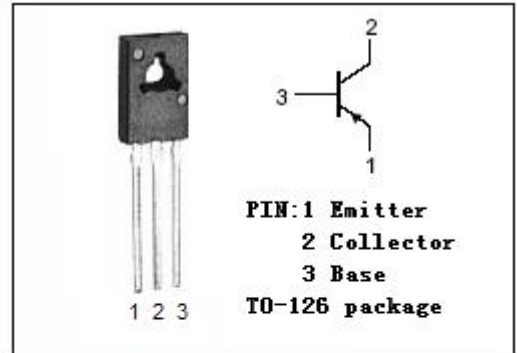
- Collector-Emitter Breakdown Voltage-
: $V_{(BR)CEO} = -80V(\text{Min})$
- With TO-126 package
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Designed for low frequency power amplifiers applications.

ABSOLUTE MAXIMUM RATINGS($T_a=25^\circ\text{C}$)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-600	V
V_{CEO}	Collector-Emitter Voltage	-600	V
V_{EBO}	Emitter-Base Voltage	-7	V
I_C	Collector Current-Continuous	-1	A
I_{CM}	Collector Current-Peak	-2	A
P_C	Collector Power Dissipation @ $T_a=25^\circ\text{C}$	1	W
	Collector Power Dissipation @ $T_c=25^\circ\text{C}$	10	
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{stg}	Storage Temperature	-55~150	$^\circ\text{C}$



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ELECTRICAL CHARACTERISTICS

T_j=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = -1mA; R _{BE} =∞	-600			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -0.3A; I _B = -0.06A			-1.0	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C = -0.3A; I _B = -0.06A			-1.2	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -600V; I _E = 0			-10	μ A
I _{EBO}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-10	μ A
h _{FE-1}	DC Current Gain	I _C = -0.1A; V _{CE} = -5V	30		120	
h _{FE-2}	DC Current Gain	I _C = -0.5A; V _{CE} = -5V	5			

◆ h_{FE-1} Classifications

M	L	K
30-60	40-80	60-120

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