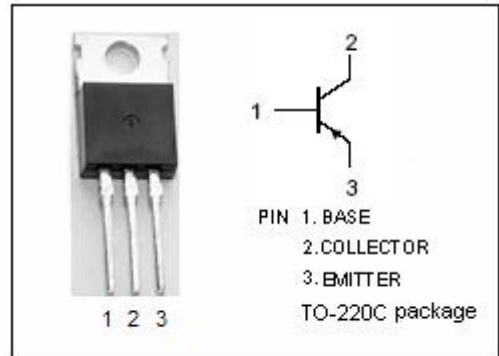


isc Silicon PNP Power Transistor

2SA1006

DESCRIPTION

- Good Linearity of h_{FE}
- High Collector-Emitter Breakdown Voltage-
 $V_{(BR)CEO} = -180Vdc$ (Min)
- Wide Area of Safe Operation
- Complement to Type 2SC2336
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

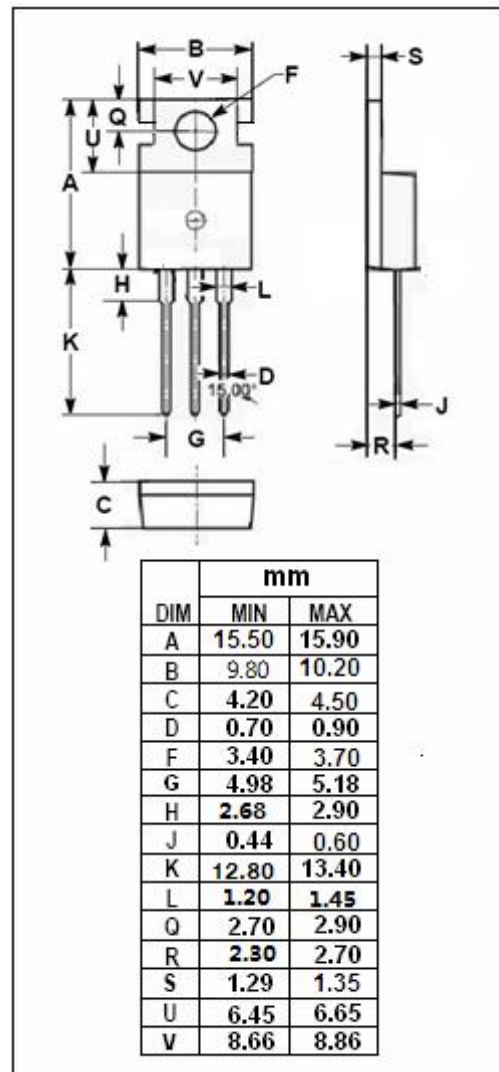


APPLICATIONS

- Audio frequency power amplifier
- High frequency power amplifier

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-180	V
V_{CEO}	Collector-Emitter Voltage	-180	V
V_{EBO}	Emitter-Base Voltage	-5.0	V
I_C	Collector Current-Continuous	-1.5	A
I_{CM}	Collector Current-Peak	-3.0	A
P_C	Collector Power Dissipation@ $T_a=25^\circ C$	1.5	W
	Total Power Dissipation@ $T_c=25^\circ C$	25	
T_J	Junction Temperature	150	°C
T_{stg}	Storage Temperature Range	-55~150	°C



isc Silicon PNP Power Transistor**2SA1006****ELECTRICAL CHARACTERISTICS**T_c=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{CE(sat)} ★	Collector-Emitter Saturation Voltage	I _c = -500mA; I _B = -50mA			-1.0	V
V _{BE(sat)} ★	Base-Emitter Saturation Voltage	I _c = -500mA; I _B = -50mA			-1.5	V
I _{CB0}	Collector Cutoff Current	V _{CB} = -150V; I _E = 0			-1.0	μ A
I _{EB0}	Emitter Cutoff Current	V _{EB} = -3.0V; I _c =0			-1.0	μ A
h _{FE-1} ★	DC Current Gain	I _c = -5mA ; V _{CE} = -5V	30			
h _{FE-2} ★	DC Current Gain	I _c = -150mA ; V _{CE} = -5V	60		320	

★Pulse Test/PW ≤ 350us, duty ≤ 2%

◆ **h_{FE-2} Classifications**

R	Q	P
60-120	100-200	160-320

Notice:

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