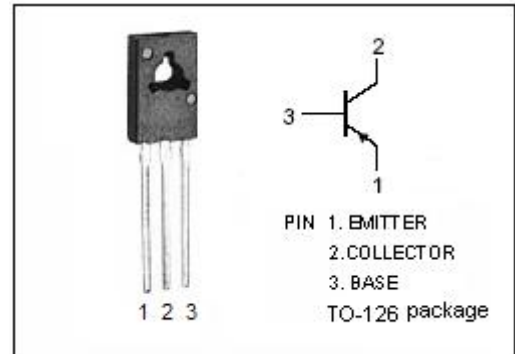


isc Silicon PNP Power Transistor
2SA1110
DESCRIPTION

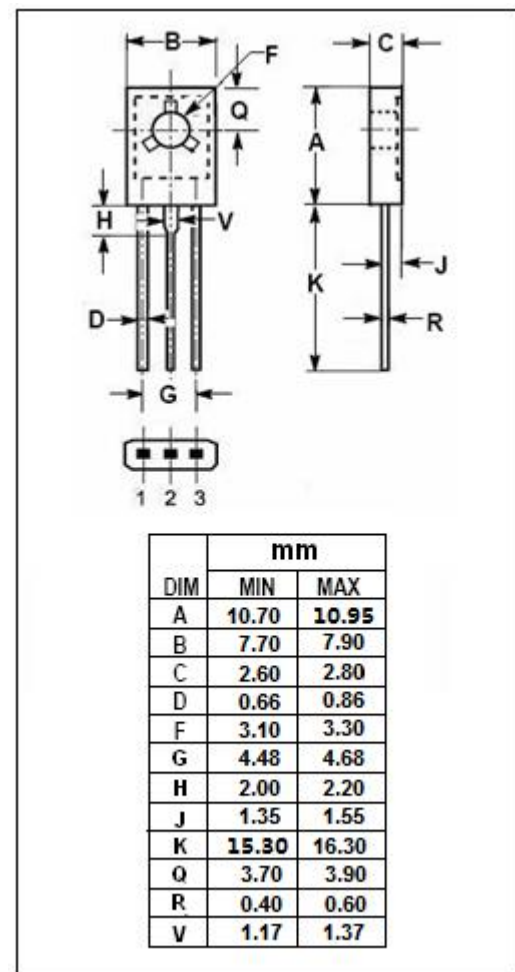
- Collector-Emitter Breakdown Voltage-
 $V_{(BR)CEO} = -120V$ (Min)
- Good Linearity of h_{FE}
- Complement to Type 2SC2590
- Minimum Lot-to-Lot variations for robust device performance and reliable operation


APPLICATIONS

- Designed for audio frequency power amplifier applications.

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-120	V
V_{CEO}	Collector-Emitter Voltage	-120	V
V_{EBO}	Emitter-Base Voltage	-5.0	V
I_C	Collector Current-Continuous	-0.5	A
I_{CM}	Collector Current-Peak	-1.0	A
P_C	Collector Power Dissipation	1.2	W
T_J	Junction Temperature	150	°C
T_{stg}	Storage Temperature Range	-55~150	°C



isc Silicon PNP Power Transistor
2SA1110
ELECTRICAL CHARACTERISTICS

 T_c=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = -100 μ A; I _B = 0	-120			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = -10 μ A; I _C = 0	-5			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -300mA; I _B = -30mA			-1.0	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C = -300mA; I _B = -30mA			-1.2	V
h _{FE-1}	DC Current Gain	I _C = -150mA; V _{CE} = -10V	65		330	
h _{FE-2}	DC Current Gain	I _C = -500mA; V _{CE} = -5V	50			
f _T	Current-Gain—Bandwidth Product	I _E = 50mA; V _{CE} = -10V		200		MHz
C _{OB}	Output Capacitance	I _E = 0; V _{CB} = -10V; f= 1.0MHz		20		pF

◆ h_{FE-1} Classifications

P	Q	R	S
65-110	90-155	130-220	185-330

NOTICE:

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