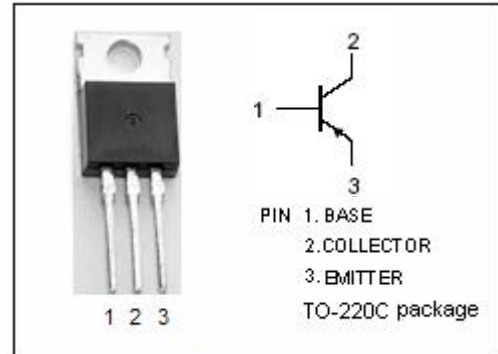


isc Silicon PNP Power Transistor
2SA700
DESCRIPTION

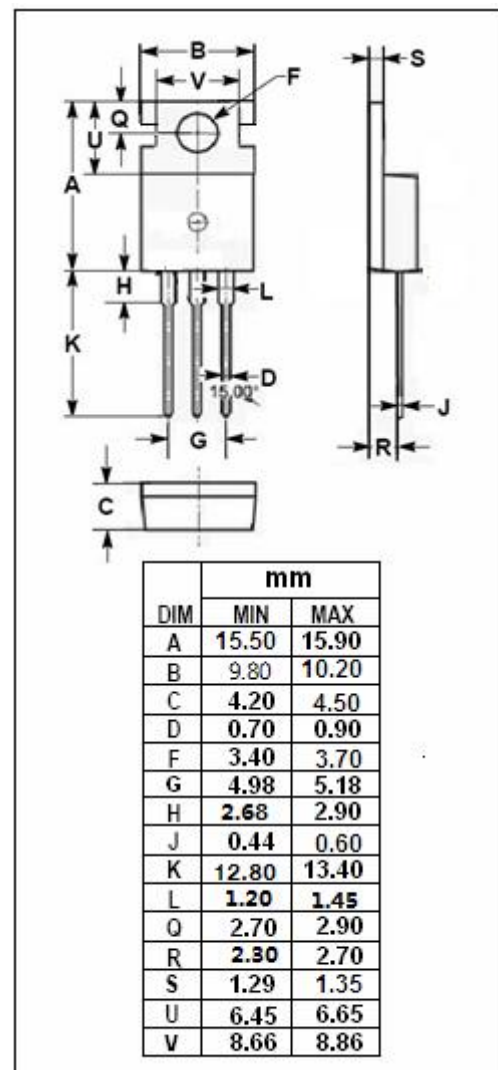
- High Collector Current $-I_C = -1.5A$
- Collector-Emitter Breakdown Voltage:
: $V_{(BR)CEO} = -35V(\text{Min})$
- Good Linearity of h_{FE}
- Low Saturation Voltage
- Minimum Lot-to-Lot variations for robust device performance and reliable operation.


APPLICATIONS

- Designed for medium power amplifier applications.

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

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-35	V
V_{CEO}	Collector-Emitter Voltage	-35	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current-Continuous	-1.5	A
P_C	Collector Power Dissipation @ $T_C = 25^\circ\text{C}$	8	W
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{stg}	Storage Temperature Range	-55~150	$^\circ\text{C}$



isc Silicon PNP Power Transistor**2SA700****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 = -10mA; I _B = 0	-35			V
V _{(BR)CBO}	Collector-Base Breakdown Voltage	I _C = -1mA; I _E = 0	-35			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -1.0A; I _B = -0.1A			-1.0	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C = -1A; I _B = -0.1A			-1.5	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -35V; I _E = 0			-1.0	μ A
I _{EBO}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-100	μ A
h _{FE}	DC Current Gain	I _C = -1A; V _{CE} = -5V	50		220	

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