

isc Silicon PNP Power Transistor
2SB719
DESCRIPTION

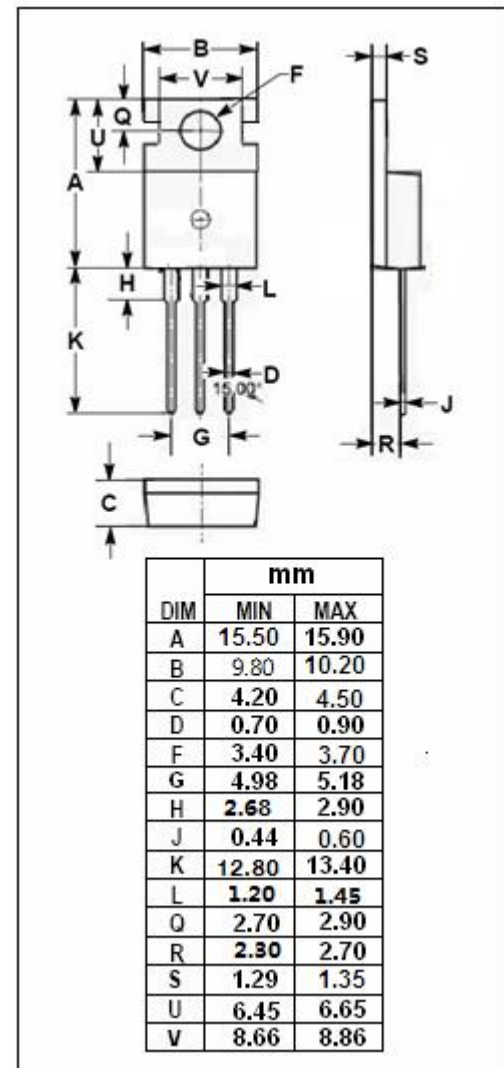
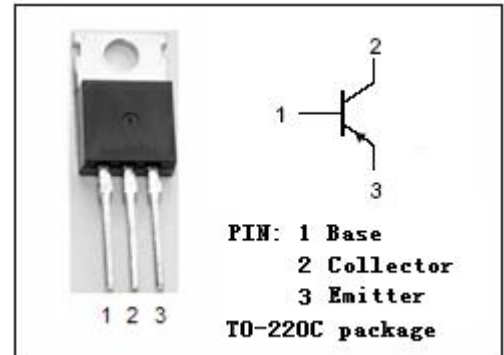
- High Collector-Emitter Breakdown Voltage-
: $V_{(BR)CEO} = -160V(\text{Min})$
- Wide Area of Safe Operation
- Complement to Type 2SD759
- Minimum Lot-to-Lot variations for robust device performance and reliable operation


APPLICATIONS

- Designed for power amplifier and TV vertical deflection output applications.

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-160	V
V_{CEO}	Collector-Emitter Voltage	-160	V
V_{EBO}	Emitter-Base Voltage	-5.0	V
I_C	Collector Current-Continuous	-2	A
I_{CM}	Collector Current-Peak	-3	A
P_C	Total Power Dissipation@ $T_c=25^\circ\text{C}$	25	W
T_J	Junction Temperature	150	°C
T_{stg}	Storage Temperature Range	-55~150	°C



isc Silicon PNP Power Transistor**2SB719****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 = -5mA; I _B = 0	-160			V
V _{(BR)CBO}	Collector-Base Breakdown Voltage	I _C = -0.1mA; I _E = 0	-160			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = -0.1mA; I _C = 0	-5			V
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 _{CBO}	Collector Cutoff Current	V _{CB} = -150V; I _E = 0			-10	μ A
I _{EBO}	Emitter Cutoff Current	V _{EB} = -3.0V; I _C =0			-10	μ A
h _{FE}	DC Current Gain	I _C = -150mA; V _{CE} = -5V	35		200	
f _T	Current-Gain—Bandwidth Product	I _C = -100mA; V _{CE} = -10V		100		MHz

◆ h_{FE} Classifications

A	B	C
35-70	60-120	100-200

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