

isc Silicon PNP Power Transistor
2SB762
DESCRIPTION

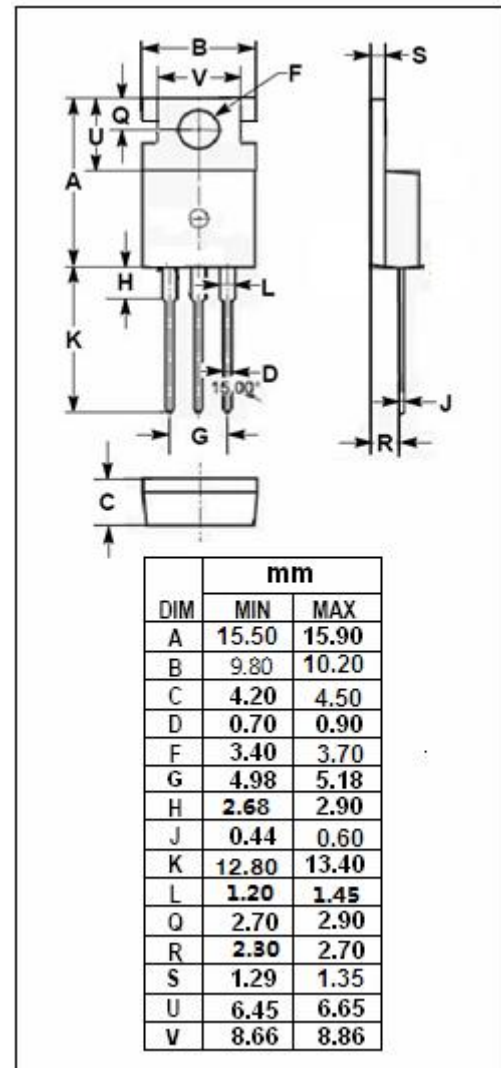
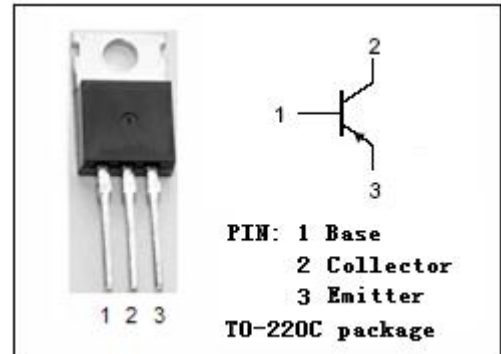
- Collector-Emitter Breakdown Voltage-
: $V_{(BR)CEO} = -60V(\text{Min})$
- Good Linearity of h_{FE}
- Wide Area of Safe Operation
- Complement to Type 2SD857
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Designed for AF power amplifier applications.

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

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-60	V
V_{CEO}	Collector-Emitter Voltage	-60	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current-Continuous	-4	A
I_{CM}	Collector Current-Peak	-8	A
P_C	Collector Power Dissipation @ $T_C=25^\circ\text{C}$	40	W
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{stg}	Storage Temperature Range	-55~150	$^\circ\text{C}$



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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 = -30mA; I _B = 0	-60			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -4A; I _B = -0.4A			-1.5	V
V _{BE(on)}	Base-Emitter On Voltage	I _C = -3A; V _{CE} = -4V			-2.0	V
I _{CEO}	Collector Cutoff Current	V _{CE} = -30V; I _B = 0			-700	μ A
I _{CES}	Collector Cutoff Current	V _{CE} = -60V; V _{BE} = 0			-400	μ A
I _{EBO}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-7	mA
h _{FE-1}	DC Current Gain	I _C = -1A; V _{CE} = -4V	40		250	
h _{FE-2}	DC Current Gain	I _C = -3A; V _{CE} = -4V	15			

◆ h_{FE-1} Classifications

R	Q	P
40-90	70-150	120-250

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