

isc Silicon PNP Power Transistor
2SB468
DESCRIPTION

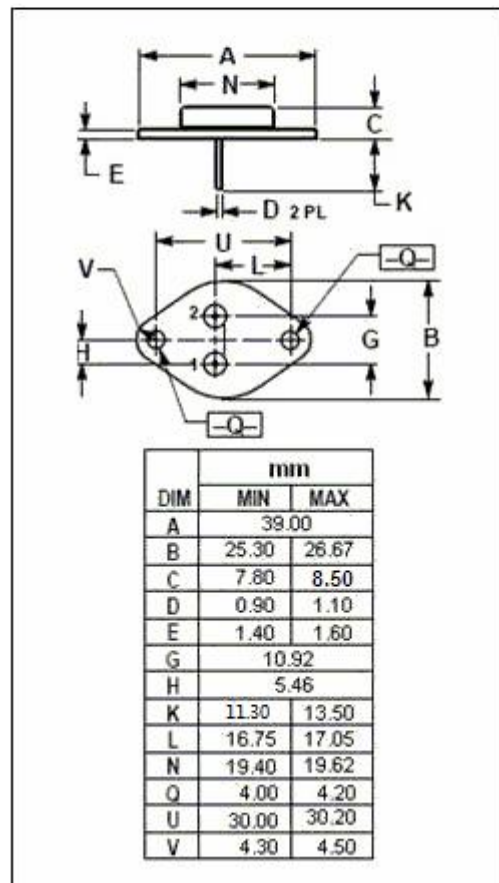
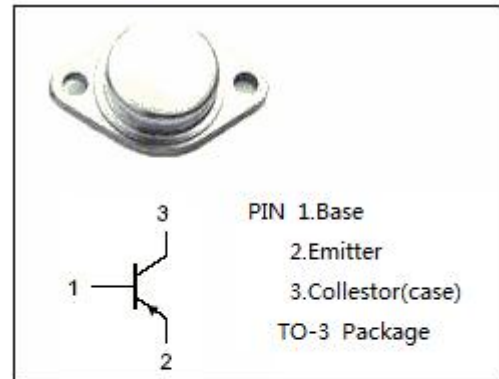
- Collector-Emitter Sustaining Voltage-
: $V_{CE(SUS)} = -90V(\text{Min})$
- Low Collector Saturation Voltage-
: $V_{CE(sat)} = -0.7V(\text{Max.}) @ I_C = -3A$
- Wide area of safe operation
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Designed for TV horizontal deflection power output applications.

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

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-220	V
V_{CEO}	Collector-Emitter Voltage	-90	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current-Continuous	-10	A
I_E	Emitter Current-Continuous	10	A
P_C	Collector Power Dissipation @ $T_c = 25^\circ\text{C}$	32	W
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{stg}	Storage Temperature	-55~150	$^\circ\text{C}$



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ELECTRICAL CHARACTERISTICS

T_j=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{CEO(SUS)}	Collector-Emitter Sustaining Voltage	I _C = -10mA; I _B = 0	-90			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = -1mA; I _C = 0	-5			V
V _{(BR)CBO}	Collector-Base breakdown voltage	I _C =-1mA; I _E = 0	-220			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -4A; I _B = -0.4A			-0.4	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C = -4A; I _B = -0.4A			-1.0	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -220V; I _E = 0			-10	μ A
I _{CEO}	Collector Cutoff Current	V _{CE} = -90V; I _B = 0			-100	μ A
I _{EBO}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-10	μ A
h _{FE}	DC Current Gain	I _C = -4A; V _{CE} = -1.5V	14		130	

◆ h_{FE} Classifications

A	B	C	D
14-100	20-130	25-130	30-130

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