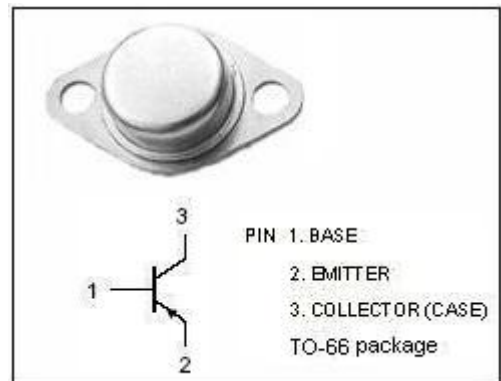


isc Silicon PNP Power Transistor
2SA652
DESCRIPTION

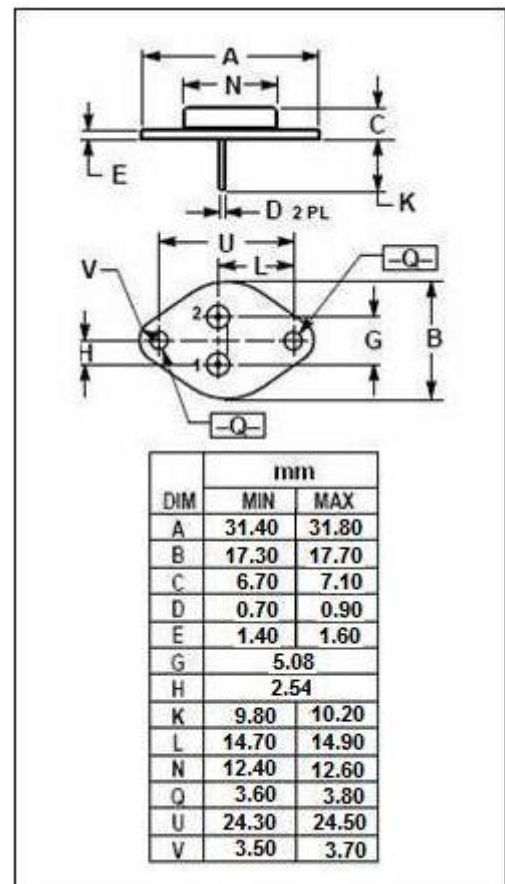
- Collector-Emitter Breakdown Voltage-
: $V_{(BR)CEO} = -100V(\text{Min.})$
- Continuous Collector Current $I_C = -1A$
- Power Dissipation $P_C = 15W @ T_C = 25^\circ C$
- Minimum Lot-to-Lot variations for robust device performance and reliable operation


APPLICATIONS

- Designed for low frequency power amplifier color TV vertical deflection output applications.

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

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-150	V
V_{CEO}	Collector-Emitter Voltage	-100	V
V_{EBO}	Emitter-Base Voltage	-6	V
I_C	Collector Current-Continuous	-1.0	A
P_C	Collector Power Dissipation @ $T_C = 25^\circ C$	15	W
T_J	Junction Temperature	150	$^\circ C$
T_{stg}	Storage Temperature	-55~150	$^\circ C$



isc Silicon PNP Power Transistor**2SA652****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 = -50mA ; I _B = 0	-100			V
V _{(BR)CBO}	Collector-Base Breakdown Voltage	I _C = -1mA; I _E = 0	-150			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -0.5A; I _B = -50mA			-1.5	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C = -0.5A; I _B = -50mA			-2.0	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -150V; I _E = 0			-10	μ A
I _{EBO}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-10	μ A
h _{FE}	DC Current Gain	I _C = -0.2A; V _{CE} = -5V	40		200	
C _{OB}	Collector Output Capacitance	I _E =0; V _{CB} = -5V; f= 1MHz		100		pF
f _T	Current-Gain—Bandwidth Product	I _C = -0.1A; V _{CE} = -10V		15		MHz

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