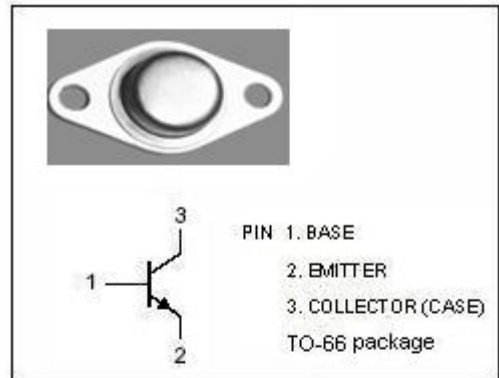


isc Silicon NPN Power Transistor
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DESCRIPTION

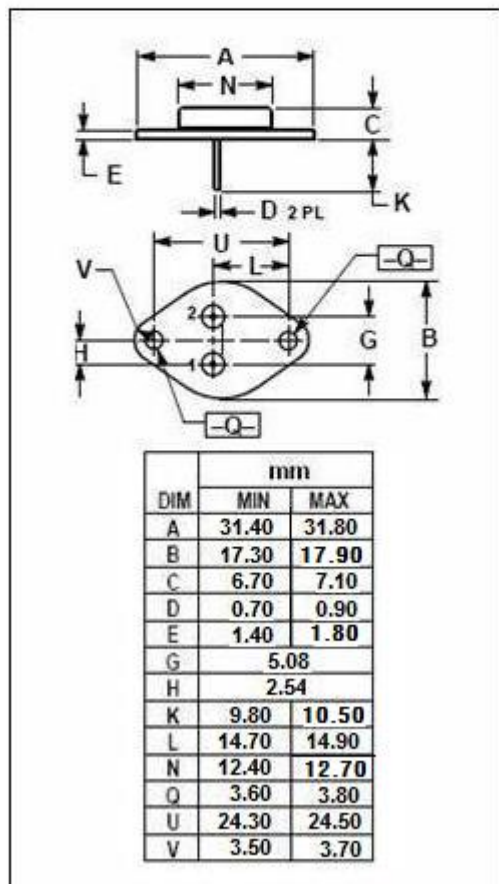
- With TO-66 Package
- Low collector saturation voltage
- Minimum Lot-to-Lot variations for robust device performance and reliable operation.

APPLICATIONS

- Designed for use in lined-operated color TV chroma output circuits and sound output circuits


ABSOLUTE MAXIMUM RATINGS(T_a=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CB0}	Collector-Base Voltage	300	V
V _{CEO}	Collector-Emitter Voltage	300	V
V _{EBO}	Emitter-Base Voltage	7	V
I _c	Collector Current-Continuous	0.1	A
P _c	Collector Power Dissipation @ T _c =25°C	6.5	W
T _J	Junction Temperature	150	°C
T _{stg}	Storage Temperature Range	-55~150	°C


THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance, Junction to Case	19.23	°C/W

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ELECTRICAL CHARACTERISTICS

T_C=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = 50mA; I _B = 5mA		2.0	V
I _{CB0}	Collector Cutoff Current	V _{CB} = 300V; I _B = 0		10	μA
I _{EB0}	Emitter Cutoff Current	V _{EB} = 7V; I _C =0		10	μA
h _{FE}	DC Current Gain	I _C = 50mA; V _{CE} = 10V	30	160	
f _T	Current-Gain—Bandwidth Product	I _C = 10mA; V _{CE} =20V, f _{test} = 1.0MHz	60		MHz

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