

isc Silicon NPN Power Transistor

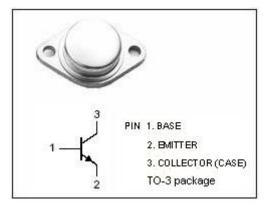
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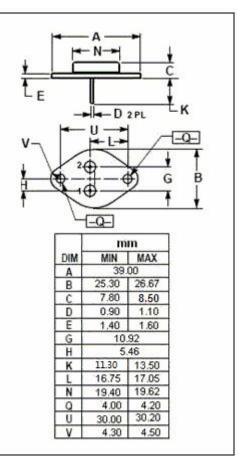
DESCRIPTION

- High Voltage-V_{CEX}= 1500V(Min.)
- Collector Current- I_C = 3.0A
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

• Designed for use in large screen color deflection circuits .





ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	PARAMETER	VALUE	UNIT	
V _{CEX}	Collector-Emitter Voltage	1500	V	
V _{CEO}	Collector-Emitter Voltage	800	V	
VEBO	Emitter-Base Voltage	6	V	
lc	Collector Current-Continuous	3.0	A	
I _{CM}	Collector Current-Peak	6	A	
Pc	Collector Power Dissipation @Tc=25°C	50	W	
TJ	Junction Temperature	150	°C	
T _{stg}	Storage Temperature	-45~150	°C	

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ELECTRICAL CHARACTERISTICS

$T_c=25^{\circ}C$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	МАХ	UNIT
V(_{BR)CEO}	Collector-Emitter Breakdown Voltage	I _C =10mA;R _{BE} =∞	800			V
V(_{BR)EBO}	Emitter -Base Breakdown Voltage	I _E =10mA; I _C = 0	6			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C =2.5A; I _B = 0.8A			5	V
V _{BE} (sat)	Base-Emitter Saturation Voltage	I _C = 2.5A; I _B = 0.8A			1.5	V
I _{CEX}	Collector Cutoff Current	V _{CE} = 1500V; V _{BE} = 1.5V			0.5	mA
I _{CBO}	Collector Cutoff Current	V _{CB} = 600V; I _E = 0			10	uA
t _f	Fall Time	I _C = 2.75A; I _B = 0.6A; I _B = 1.3A; L _B = 0			1.0	μ S

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