

isc Silicon NPN Power Transistor
2N6560
DESCRIPTION

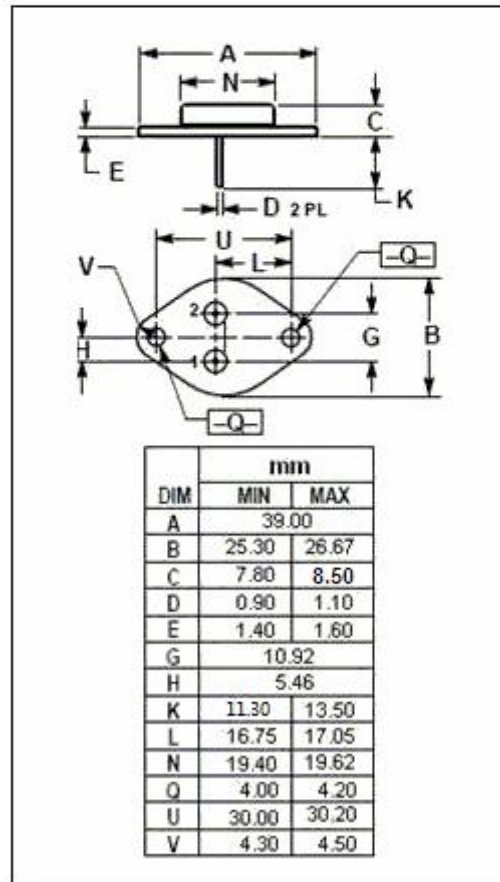
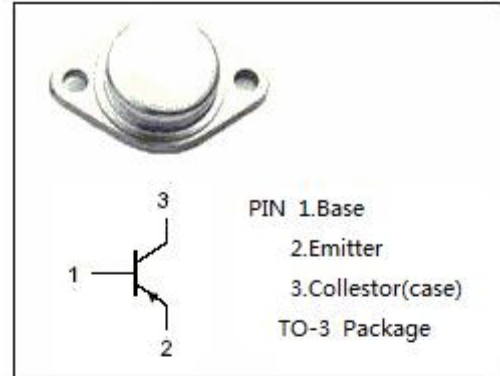
- Collector-Emitter Breakdown Voltage-
: $V_{CEO}=450V(\text{Min})$
- Minimum Lot-to-Lot variations for robust device
Performance and reliable operation

APPLICATIONS

- Power amplifier and switching applications

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

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	450	V
V_{CEO}	Collector-Emitter Voltage	450	V
V_{EBO}	Emitter-Base Voltage	5	V
I_C	Collector Current-Continuous	10	A
P_D	Collector Power Dissipation @ $T_C=25^\circ\text{C}$	220	W
T_J	Junction Temperature	200	$^\circ\text{C}$
T_{stg}	Storage Temperature Range	-65~200	$^\circ\text{C}$



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ELECTRICAL CHARACTERISTICS
 $T_C=25^\circ\text{C}$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage	$I_C=1\text{mA}$	450			V
I_{CBO}	Collector-Base Cutoff Current	$V_{CB}=450\text{V}$			1	mA
I_{EBO}	Emitter-Base Cutoff Current	$V_{EB}=5\text{V}$			1	mA
$V_{CE(sat)-1}$	Collector-Emitter Saturation Voltage	$I_C=5\text{A}; I_B=1\text{A}$			0.75	V
h_{FE-1}	DC Current Gain	$I_C=5\text{A}; V_{CE}=2\text{V}$	10		40	

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