

isc Silicon NPN Power Transistor
2N6276
DESCRIPTION

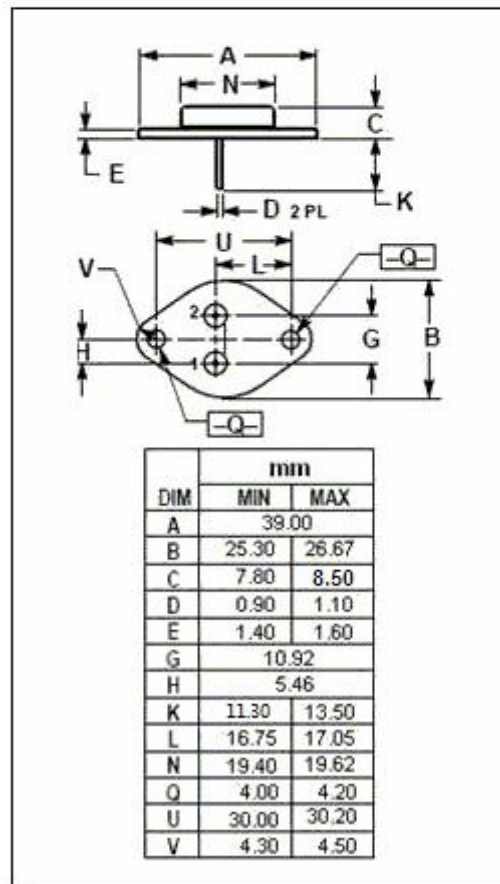
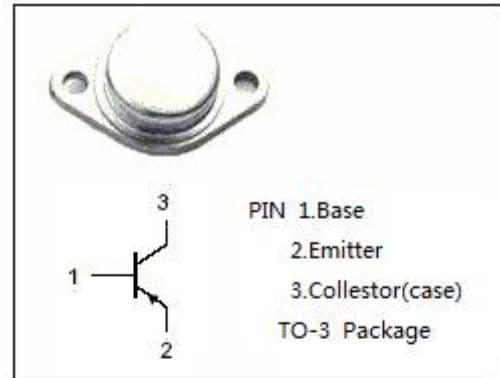
- Collector-Emitter Breakdown Voltage-
: $V_{CE0}=140V(\text{Min})$
- Minimum Lot-to-Lot variations for robust device
Performance and reliable operation

APPLICATIONS

- Power amplifier and switching applications

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	160	V
V_{CEO}	Collector-Emitter Voltage	140	V
V_{EBO}	Emitter-Base Voltage	6	V
I_C	Collector Current-Continuous	50	A
P_D	Collector Power Dissipation @ $T_C=25^\circ\text{C}$	240	W
T_J	Junction Temperature	-65~200	$^\circ\text{C}$
T_{stg}	Storage Temperature Range	-65~200	$^\circ\text{C}$



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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	140			V
I _{EBO}	Emitter-Base Cutoff Current	V _{BE} =6V			100	μA
I _{CEO}	Collector-Emitter Cutoff Current	V _{CE} = 160V			50	μA
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = 50A; I _B = 10A			3	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C =50A; I _B = 10A			3.5	V
h _{FE}	DC Current Gain	I _C =20A; V _{CE} =4V	30		120	

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