

isc Silicon NPN Power Transistor

DESCRIPTION

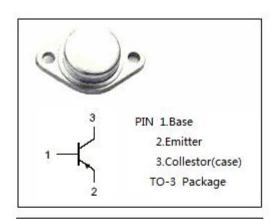
- · Collector-Emitter Breakdown Voltage-
 - : V_{(BR)CEO}=-120V(Min)
- Minimum Lot-to-Lot variations for robust device Performance and reliable operation

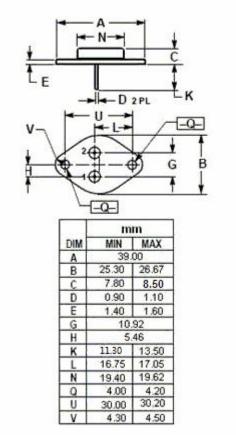
APPLICATIONS

Power amplifier and switching applications

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNI T
V _{CBO}	Collector-Base Voltage	150	V
Vceo	Collector-Emitter Voltage	120	V
V_{EBO}	Emitter-Base Voltage	7	V
Ic	Collector Current-Continuous	40	А
I _B	Base Current-Continuous	10	А
P _D	Collector Power Dissipation @ T _C =25℃	140	W
TJ	Junction Temperature	-65~200	$^{\circ}$
T _{stg}	Storage Temperature Range	-65~200	°C







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2N6033

ELECTRICAL CHARACTERISTICS

Tc=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V(_{BR)CEO}	Collector-Emitter Breakdown Voltage	I _C =200mA	120			V
Ісво	Collector-Base Cutoff Current	V _{CB} = 150V			25	mA
I _{CEO}	Collector-Emitter Cutoff Current	V _{CB} = 80V			10	mA
I _{EBO}	Emitter-Base Cutoff Current	V _{EB} = 7V			10	mA
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = 40A; I _B = 4A			1.0	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C = 40A; I _B = 4A			2.0	V
h _{FE}	DC Current Gain	I _C = 40A; V _{CE} = 2V	10		50	

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