

isc Silicon NPN Power Transistor

2SC2488

DESCRIPTION

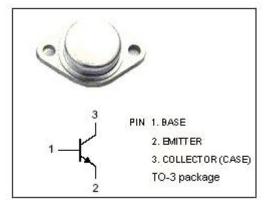
- Collector-Emitter Breakdown Voltage-
 - : V_{(BR)CEO}= 150V(Min.)
- Good Linearity of h_{FE}
- Wide Area of Safe Operation
- Complement to Type 2SA1064
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

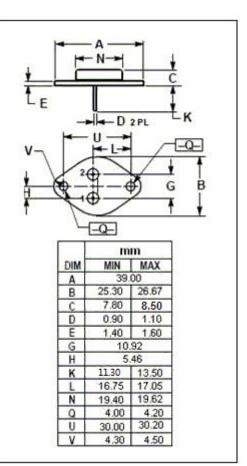
APPLICATIONS

• Designed for AF amplifier, high power amplifier applications.



SYMBOL	PARAMETER	VALUE	UNIT
V _{сво}	Collector-Base Voltage	150	V
V _{CEO}	Collector-Emitter Voltage	150	V
V _{EBO}	Emitter-Base Voltage	5	V
lc	Collector Current-Continuous	8	А
I _{CM}	Collector Current-Peak	12	A
Pc	Collector Power Dissipation @Tc=25°C	100	W
Tj	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-65~150	°C





isc website: www.iscsemi.com



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ELECTRICAL CHARACTERISTICS

Tj=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = 50mA; I _B = 0	150			V
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = 8A; I _B = 0.8A			2.0	V
V _{BE(on)}	Base-Emitter On Voltage	I _C = 8A; V _{CE} = 5V			2.5	V
І _{сво}	Collector Cutoff Current	V _{CB} = 70V; I _E = 0			1	mA
I _{EBO}	Emitter Cutoff Current	V _{EB} = 5V; I _C = 0			2	mA
h _{FE-1}	DC Current Gain	I _C = 1A; V _{CE} = 5V	40		280	
h _{FE-2}	DC Current Gain	I _C = 8A; V _{CE} = 5V	20			
f⊤	Current-Gain—Bandwidth Product	I _C = 0.5A; V _{CE} = 10V		50		MHz

• h_{FE-2} Classifications

R	Q	Р	О
40-80	60-120	90-180	140-280

Notice:

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