

isc Silicon PNP Power Transistor

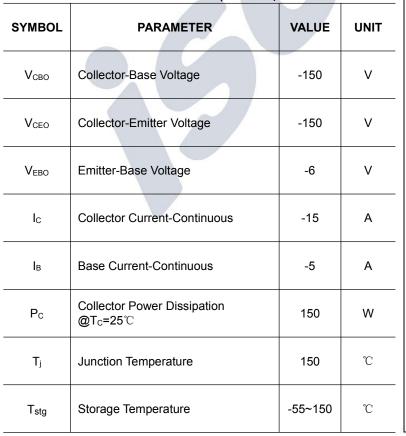
2SA971

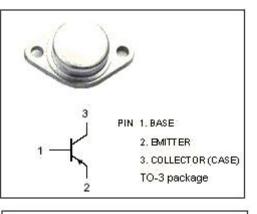
DESCRIPTION

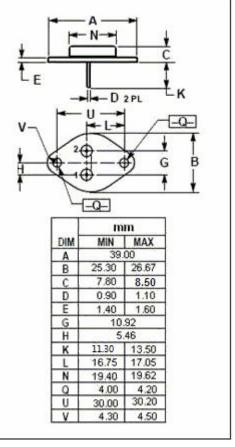
- Collector-Emitter Breakdown Voltage-
- : V_{(BR)CEO}= -150V(Min.)
- High Power Dissipation
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

• Designed for general purpose applications.







isc website: www.iscsemi.com

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ABSOLUTE MAXIMUM RATINGS(Ta=25℃)



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2SA971

ELECTRICAL CHARACTERISTICS

Tj=25℃ 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 _{(BR)CBO}	Collector-Base Breakdown Voltage	I _C = -1mA; I _E = 0	-150			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = -1mA; I _C = 0	-6			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -10A; I _B = -1A			-3.0	V
Ісво	Collector Cutoff Current	V _{CB} = -150V; I _E = 0			-100	μA
I _{EBO}	Emitter Cutoff Current	V _{EB} = -6V; I _C = 0			-100	μA
h _{FE}	DC Current Gain	I _C = -5A ; V _{CE} = -4V	30			
Сов	Collector Output Capacitance	I _E = 0; V _{CB} = -10V; f=1MHz		270		pF
f⊤	Current-Gain—Bandwidth Product	I _C = -0.5A; V _{CE} = -10V		10		MHz

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