

isc Silicon PNP Power Transistor

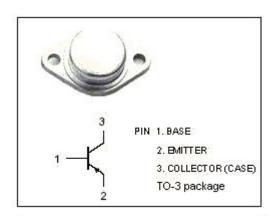
2SA1050

DESCRIPTION

- High Current Capability
- · Collector-Emitter Breakdown Voltage-
 - : V_{(BR)CEO}= -140V(Min.)
- Complement to Type 2SC2460
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

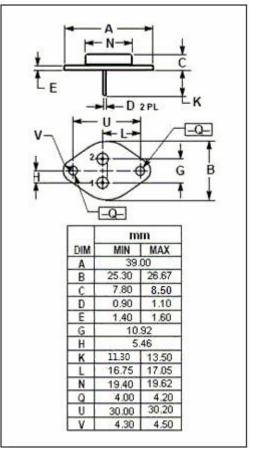


Designed for power amplifer and general purpose applications.



ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	-140	V
V _{CEO}	Collector-Emitter Voltage	-140	V
V _{EBO}	Emitter-Base Voltage	-5	V
Ic	Collector Current-Continuous	-12	А
Pc	Collector Power Dissipation @Tc=25°C	100	W
T _j	Junction Temperature	150	$^{\circ}$ C
T _{stg}	Storage Temperature	-55~150	${\mathbb C}$





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ELECTRICAL CHARACTERISTICS

Tj=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = -30mA; I _B = 0	-140			V
V _{(BR)CBO}	Collector-Base Breakdown Voltage	I _C = -1mA; I _E = 0	-140			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = -1mA; I _C = 0	-5			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -5A; I _B = -0.5A			-2.0	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -140V; I _E = 0			-10	μ А
I _{EBO}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-10	μА
h _{FE}	DC Current Gain	I _C = -1A; V _{CE} = -5V	55		240	
f⊤	Current-Gain—Bandwidth Product	I _C = -1A; V _{CE} = -10V		70		MHz

h_{FE} Classifications

R	0	Y
55-110	80-160	120-240

Notice:

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