

isc Silicon PNP Power Transistor

2SA969

DESCRIPTION

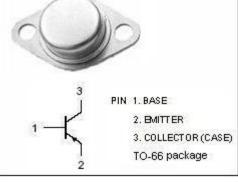
- Collector-Emitter Breakdown Voltage
 - : V_{(BR)CEO}= -160V(Min)
- Good Linearity of h_{FE}
- Complement to Type 2SC2239
- · Minimum Lot-to-Lot variations for robust device performance and reliable operation

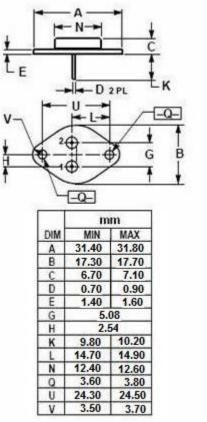
APPLICATIONS

- · Power amplifier applications
- Driver stage amplifier applications



ABSOLUTE MAXIMUM RATINGS(Ta=25℃)







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ELECTRICAL CHARACTERISTICS

$T_c=25^{\circ}C$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	МАХ	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = -10mA ; I _B = 0	-160			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 = -0.5A; I _B = -50mA			-1.5	V
V _{BE(on)}	Base-Emitter On Voltage	I _C = -0.5A ; V _{CE} = -5V			-1.0	V
І _{сво}	Collector Cutoff Current	V _{CB} = -160V ; I _E = 0			-1.0	μA
I _{EBO}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-1.0	μA
h _{FE}	DC Current Gain	I _C = -0.1A ; V _{CE} = -5V	70		240	
Сов	Output Capacitance	I _E = 0; V _{CB} = -10V; f _{test} = 1MHz		30		pF
fT	Current-Gain—Bandwidth Product	I _C = -0.1A;V _{CE} = -10V		100		MHz

h_{FE} Classifications

0	Y	
70-140	120-240	

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