

isc Silicon PNP Power Transistor

2SA968B

DESCRIPTION

- · Collector-Emitter Breakdown Voltage
- : V_{(BR)CEO}= -200V(Min)
- · Good Linearity of hFE
- Complement to Type 2SC2238B
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

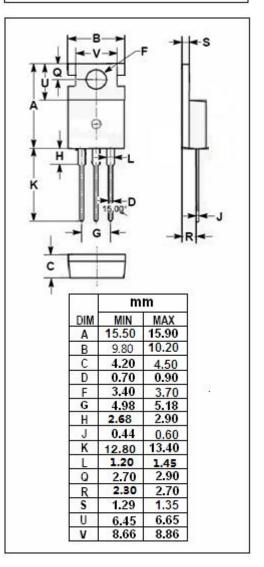
1 2 3 PIN 1. BASE 2. COLLECTOR 3. BMITTER TO-220C package

APPLICATIONS

- · Power amplifier applications
- Driver stage amplifier applications

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT	
V _{СВО}	Collector-Base Voltage	-200	V	
V _{CEO}	Collector-Emitter Voltage	V		
V _{EBO}	Emitter-Base Voltage -5			
lc	Collector Current-Continuous -1.5		А	
I _E	Emitter Current- Continuous 1.5		Α	
Pc	Total Power Dissipation @ T _C =25°C	25	W	
Тл	Junction Temperature	150	$^{\circ}$	
T _{stg}	Storage Temperature Range	-55~150	$^{\circ}$	





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ELECTRICAL CHARACTERISTICS

T_c=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = -10mA ; I _B = 0	-200			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
Ісво	Collector Cutoff Current	V _{CB} = -200V ; I _E = 0			-1.0	μА
I _{EBO}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-1.0	μА
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
f _T	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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