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## 2SC5996B

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON NPN EPITAXIAL TYPE

### **DESCRIPTION**

ISAHAYA 2SC5996B is a super mini package resin sealed silicon NPN epitaxial transistor for muting and switching. application

#### **FEATURE**

High Emitter to Base voltage VEBO=40V

High Reverse hFE

Low ON RESISTANCE. Ron = 0.75

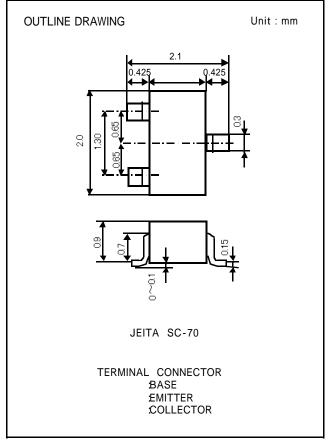
Small packege for mounting

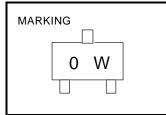
### **APPLICATION**

For muting, switching application

### MAXIMUM RATINGS (Ta=25 )

Symbol	Parameter	Ratings	Unit	
Vсво	Collector to Base voltage	40	V	
VCEO	Collector to Emitter voltage	9	V	
VEBO	Emitter to Base voltage	40	V	
Ιc	Collector current	200	mA	
Pc	Collector dissipation	150	mW	
Tj	Junction temperature	+125		
Tstg	Storage temprature	-55 ~ +125		





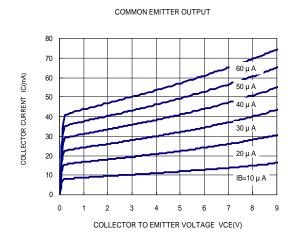
### ELECTRICAL CHARACTERISTICS (Ta=25 )

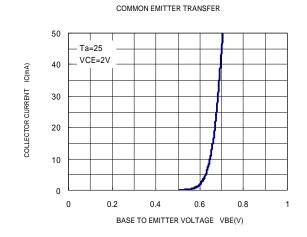
Symbol	Parameter	Test conditions	Limits			Unit
			Min	Тур	Max	
I сво	Collector cut off current	VCB=40V, I E=0mA			0.1	μA
I EBO	Emitter cut off current	VEB=40V, IC=0mA			0.1	μA
hFE	DC forward current gain	VCE=2V, I C=4mA	700		2200	
VCE(sat)	C to E saturation voltage	I C=30mA, I B=3mA		25		mV
f⊤	Gain bandwidth product	VCE=6V, I C=4mA		150		MHz
Cob	Collector output capacitance	VCB=10V, I E=0mA, f=1MHz		3.0		pF

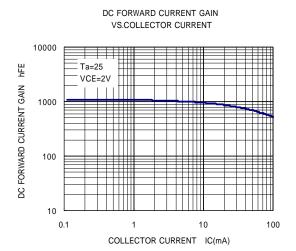
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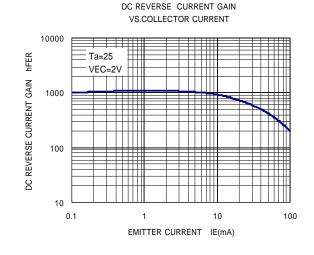
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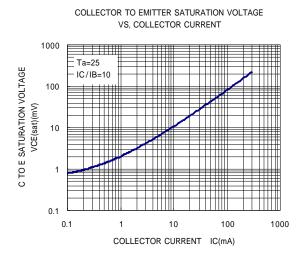
# FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON NPN EPITAXIAL TYPE

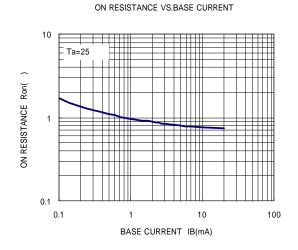








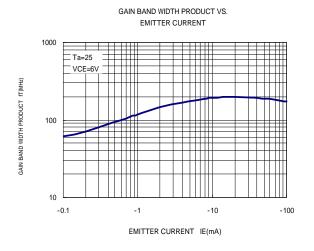


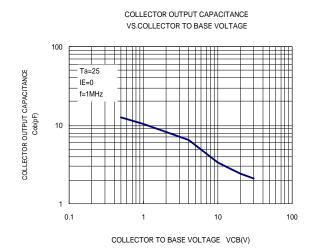


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# 2SC5996B

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON NPN EPITAXIAL TYPE







Marketing division, Marketing planning department

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