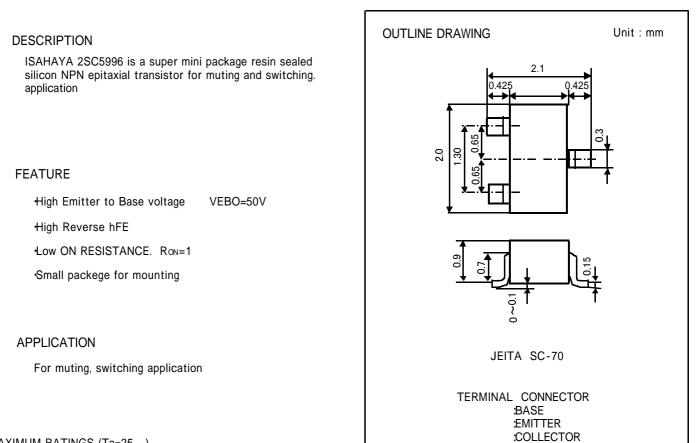
2SC5996

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON NPN EPITAXIAL TYPE



MAXIMUM RATINGS (Ta=25)

Symbol	Parameter	Ratings	Unit
Vсво	Collector to Base voltage	50	V
VCEO	VCEO Collector to Emitter voltage		V
Vebo	Emitter to Base voltage	50	V
Ic	Collector current	200	mA
Рс	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=50V, I E=0mA			0.1	μA
I EBO	Emitter cut off current	VEB=50V, IC=0mA			0.1	μA
hFE	DC forward current gain	VCE=2V, I C=4mA	200		1200	
VCE(sat)	C to E saturation voltage	I с=30mA, I в=3mA		30		mV
f⊤	Gain bandwidth product	VCE=6V, I C=4mA		30		MHz
Cob	Collector output capacitance	VCB=10V, I E=0mA, f=1MHz		5.0		pF

ĺ	Item	А	В
	hFE	200 to 700	350 to 1200
	Marking	5A	5B

MARKING

TYPE NAME

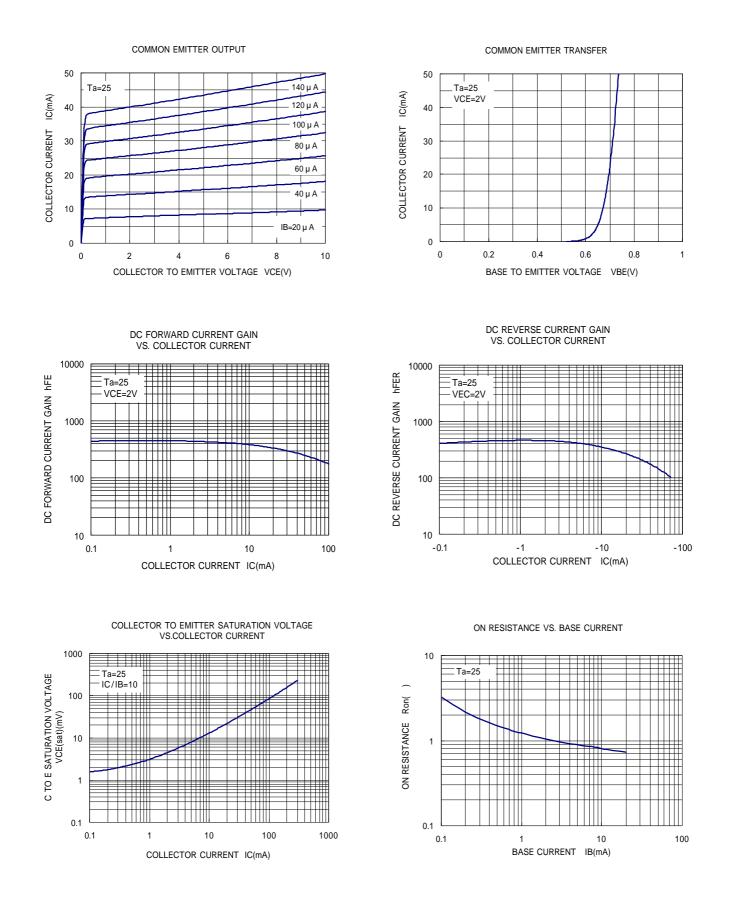
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hFE ITEM

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SILICON NPN EPITAXIAL TYPE

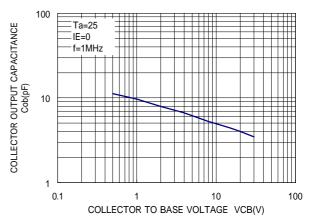


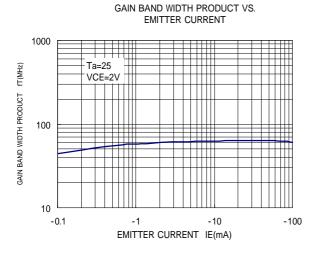
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FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON NPN EPITAXIAL TYPE

COLLECTOR OUTPUT CAPACITANCE VS. COLLECTOR TO BASE VOLTAGE







Marketing division, Marketing planning department

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