2SC5996A

Unit : mm

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON NPN EPITAXIAL TYPE

OUTLINE DRAWING

DESCRIPTION

ISAHAYA 2SC5996A 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=1

Small packege for mounting

APPLICATION

For muting, switching application

MAXIMUM RATINGS (Ta=25)

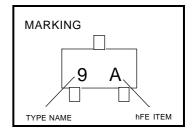
Symbol	Parameter	Ratings	Unit
Vсво	Collector to Base voltage	50	V
VCEO	Collector to Emitter voltage	20	V
VEBO	Emitter to Base voltage	40	V
Ιc	Collector current	200	mA
Pc	Collector dissipation	150	mW
Tj	Junction temperature	+125	
Tstg	Storage temprature	-55 ~ +125	

ELECTRICAL CHARACTERISTICS (Ta=25)

Symbol	Parameter	Test conditions	Limits			Unit
			Min	[Тур	Max	
І сво	Collector cut off current	VCB=50V, I E=0mA			0.1	μA
I EBO	Emitter cut off current	VEB=40V, IC=0mA			0.1	μA
h FE	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
				Item	А	В
				hfe	200 to 700	350 to 1200
				Marking	9A	9B

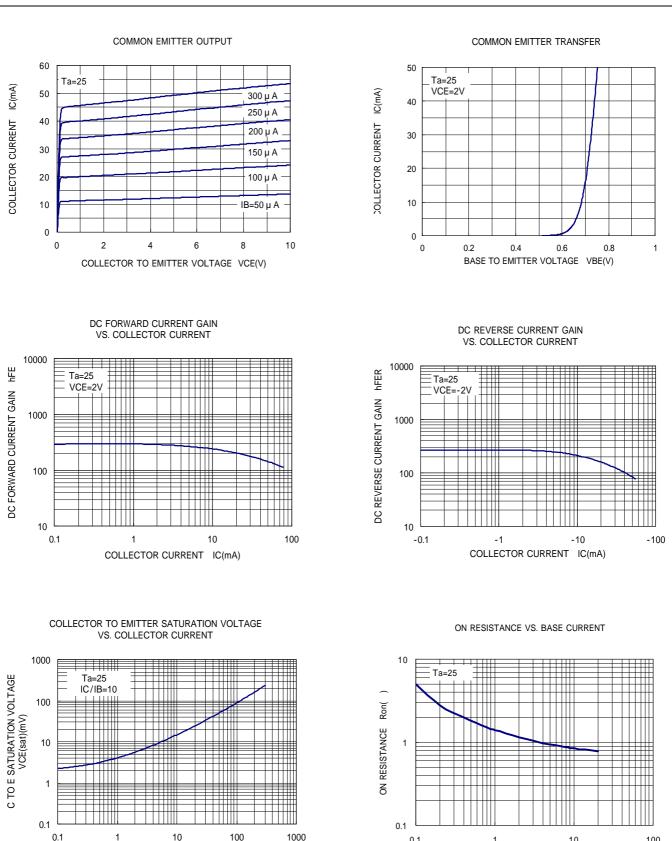
JEITA SC-70

TERMINAL CONNECTOR BASE £MITTER COLLECTOR



ISAHAYA ELECTRONICS CORPORATION

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ISAHAYA ELECTRONICS CORPORATION

COLLECTOR CURRENT IC(mA)

0.1

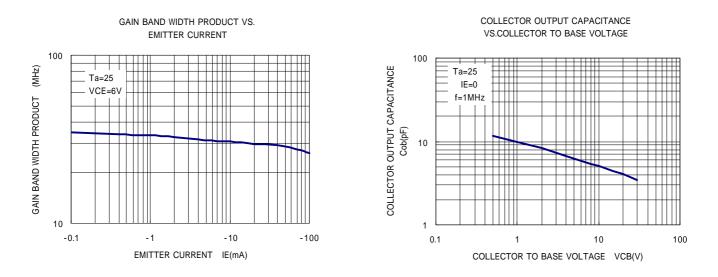
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1

BASE CURRENT IB(mA)

100

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ISAHAYA ELECTRONICS CORPORATION



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