# 2SC5996A

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON NPN EPITAXIAL TYPE

MARKING

TYPE NAME

g

hFE ITEM

## OUTLINE DRAWING Unit : mm DESCRIPTION ISAHAYA 2SC5996A is a super mini package resin sealed 2.1 silicon NPN epitaxial transistor for muting and switching. application 20 FEATURE High Emitter to Base voltage VEBO=40V High Reverse hFE Low ON RESISTANCE. RON=1 Small packege for mounting APPLICATION JEITA SC-70 For muting, switching application TERMINAL CONNECTOR :BASE **EMITTER** COLLECTOR

### 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	

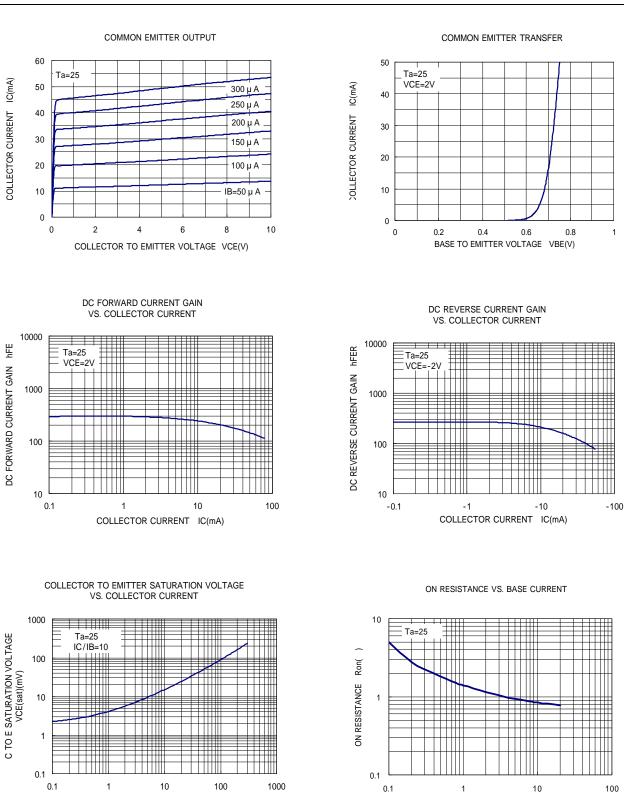
### ELECTRICAL CHARACTERISTICS (Ta=25 )

Symbol	Parameter	Test conditions	Limits			Unit
			Min	[ Тур	Max	0
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
fт	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

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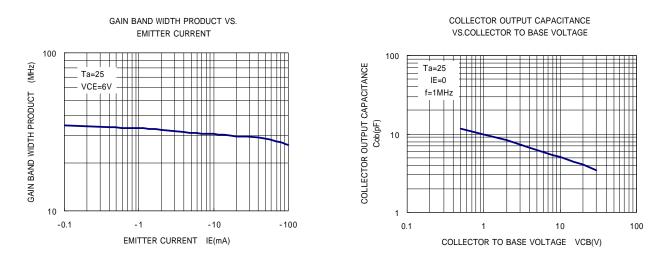
BASE CURRENT IB(mA)



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COLLECTOR CURRENT IC(mA)

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ISAHAYA ELECTRONICS CORPORATION



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