2SC5974B

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON NPN EPITAXIAL TYPE

DESCRIPTION

ISAHAYA 2SC5974B is a 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	450	mW	
Tj	Junction temperature	+125		
Tstg	Storage temprature	-55 ~ +125		

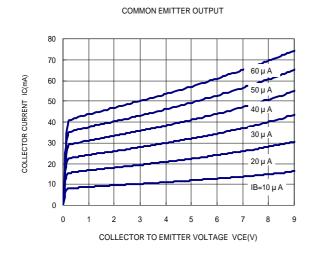
OUTLINE DRAWING Unitmm 4.0 1.27 1.27 TERMINAL CONNECTOR 1: EMITTER 2: COLLECTOR 3: BASE

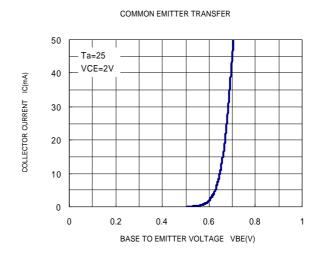
ELECTRICAL CHARACTERISTICS (Ta=25)

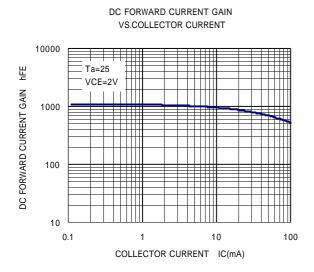
Symbol	Parameter	Test conditions	Limits			Unit
,			Min	Тур	Max	
I сво	Collector cut off current	VCB=40V, I E=0mA			0.1	μΑ
I EBO	Emitter cut off current	VEB=40V, IC=0mA			0.1	μA
h FE	DC forward current gain	VCE=2V, I C=4mA	700		2200	
VCE(sat)	C to E saturation voltage	I C=30mA, I B=3mA		25		mV
f⊤	Gain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

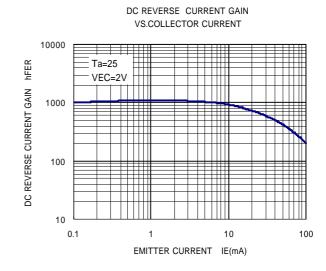
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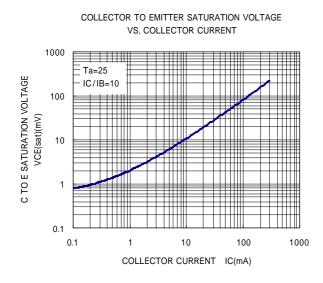
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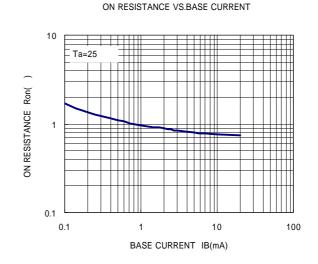






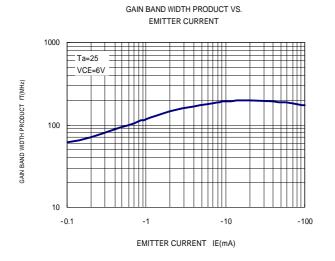


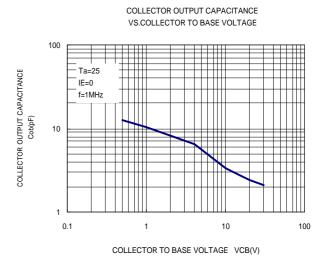




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Marketing division, Marketing planning department 6-41 Tsukuba, Isahaya, Nagasaki, 854-0065 Japan

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