〈SMALL-SIGNAL TRANSISTOR〉

2SA2026

FOR LOW FREQUENCY AMPLIFY APPLICATION
SILICON PNP EPITAXIAL TYPE

DESCRIPTION

2SA2026 is a super mini package resin sealed silicon PNP epitaxial transistor,
It is designed for low frequency voltage application.

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FEATURE

●Small collector to emitter saturation voltage.
VCE(sat)=−0.5V max

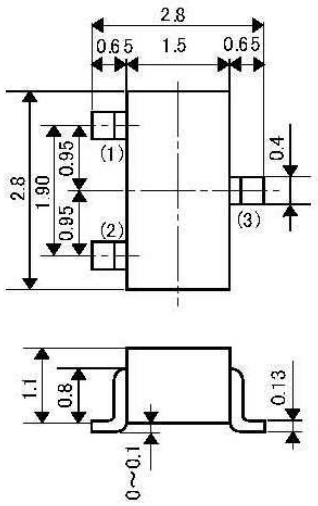
●Super mini package for easy mounting

APPLICATION

For Hybrid IC,small type machine low frequency voltage Amplify application.

OUTLINE DRAWING

Unit:mm



JEITA:SC-59

TERMINAL CONNECTER
①:BASE
②:EMITTER
③:COLLECTOR

MAXIMUM RATINGS(Ta=25℃)

Symbol	Parameter	Ratings	Unit
V_{CBO}	Collector to Base voltage	−300	V
V_{CEO}	Collector to Emitter voltage	−300	V
V_{EBO}	Emitter to Base voltage	−7	V
I_O	Collector current	−100	mA
P_c	Collector dissipation	150	mW
T_j	Junction temperature	+125	℃
T_{stg}	Storage temperature	−55～+125	℃

ELECTRICAL CHARACTERISTICS(Ta=25℃)

Parameter	Symbol	Test conditions	Limits			Unit
			Min	Typ	Max	
C to B break down voltage	$V(BR)_{CBO}$	I_C=−50μA ,I_E=0	−300	−	−	V
E to Bbreak down voltage	$V(BR)_{EBO}$	I_E=−50μA ,I_C=0	−7	−	−	V
C to E break down voltage	$V(BR)_{CEO}$	I_C=−1mA ,R_{BE}=∞	−300	−	−	V
Collector cut off current	ICBO	V_{CB}=−−300V, I_E=0mA	−	−	−0.5	μA
Emitter cut off current	IEBO	V_{EB}=−5V, I_C=0mA	−	−	−0.5	μA
DC forward current gain	hFE	V_{CE}=−10V, I_C=−10mA	50	−	305	
C to E Saturation Vlotage	VCE(sat)	I_C=−100mA ,I_B=−10mA	−	−	−0.5	V
Gain bandwidth product	fT	V_{CE}=−6V, I_E=10mA	−	40	−	MHz
Collector output capacitance	Cob	V_{CB}=−6V, I_E=0,f=1MHz	−	3.5	−	pF

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