〈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

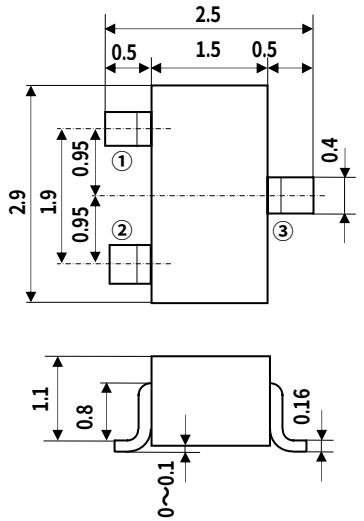
●Small collector to emitter saturation voltage.
VCE(sat)=-0.5V max
●Super mini package for easy mounting

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°C)

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	°C
T_{stg}	Storage temperature	-55～+125	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C)

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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