

DESCRIPTION

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

FEATURE

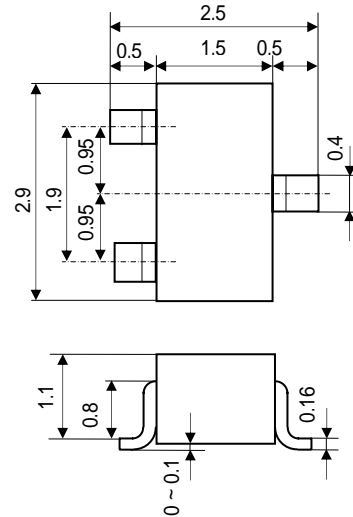
- Small collector to emitter saturation voltage.
VCE(sat)=-0.5V max
- Super mini package for easy mounting

APPLICATION

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

OUTLINE DRAWING

Unit: mm



JEITA: SC-59

TERMINAL CONNECTER

- : BASE
- : EMITTER
- : 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	
T _{stg}	Storage temperature	-55 ~ + 125	

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 =-50 μA, I _E =0	-300	-	-	V
E to B break down voltage	V(BR) _{EBO}	I _E =-50 μA, 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	I _{CBO}	V _{CB} =-300V, I _E =0mA	-	-	-0.5	μA
Emitter cut off current	I _{EBO}	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 Voltage	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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