

2SC5625

FOR LOW FREQUENCY AMPLIFY APPLICATION
SILICON NPN EPITAXIAL TYPE(mini type)

DESCRIPTION

2SC5625 is a super mini package resin sealed silicon NPN epitaxial transistor, It is designed for low frequency voltage application.

FEATURE

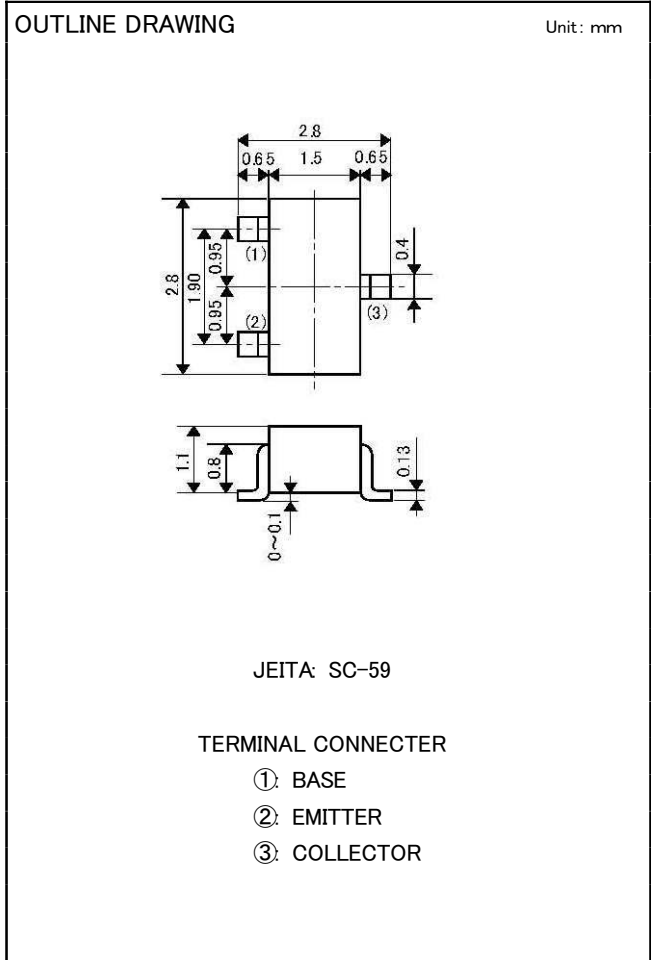
- Small collector to emitter saturation voltage.
VCE(sat)=0.5V max
- Super mini package for easy mounting

APPLICATION

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

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 =50 μA, I _E =0	300	-	-	V
E to B break down voltage	V(BR) _{EBO}	I _C =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 ※1	60	-	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 =0mA, f=1MHz	-	3.0	-	pF



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