2SC3928

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON NPN EPITAXIAL TYPE

DESCRIPTION

2SC3928 is a super mini package resin sealed silicon NPN epitaxial transistor,

It is designed for low frequency voltage application.

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FEATURE

Small collector to emitter saturation voltage.

VCE(sat)=0.3V max

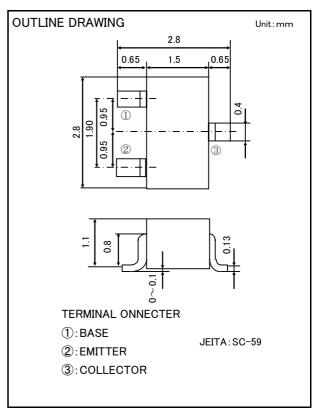
- ●Excellent linearity of DC forward gain.
- Super mini package for easy mounting

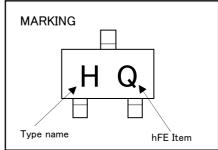
APPLICATION

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	٧	
V_{CEO}	Collector to Emitter voltage	50	٧
V _{EBO}	Emitter to Base voltage	6	٧
I c	Collector current	100	mA
Pc	Collector dissipation	200	mW
Tj	Junction temperature +150		°C
T_{stg}	Storage temperature −55~+150		လူ





ELECTRICAL CHARACTERISTICS (Ta=25°C)

Parameter	Symbol	Test conditions	Limits			Unit
Farameter	Symbol	rest conditions		Тур	Max	Offic
C to E break down voltage	V(BR)ceo	I _C =100 μ A ,R _{BE} =∞	50	-	-	٧
Collector cut off current	ICBO	V_{CB} =50V, I_{E} =0mA	i	ı	0.5	μΑ
Emitter cut off current	I EBO	V_{EB} =4V, I $_{C}$ =0mA	ı	ı	0.5	μΑ
DC forward current gain	hFE	V_{CE} =6V, I_{C} =1mA	120	(※)	560	
DC forward current gain	hFE	V_{CE} =6V, I $_{C}$ =0.1mA	70	ı	-	
C to E Saturation Vlotage	VCE(sat)	I _C =30mA ,I _B =1.5mA		1	0.3	V
Gain bandwidth product	fT	V_{CE} =6V, I_{E} =-10mA		200	-	MHz
Collector output capacitance	Cob	V _{CB} =6V, I _E =0mA,f=1MHz	_	2.0	-	pF

 $\mbox{\%}$: It shows hFE classification at right table.

Item	Q	R	S	
hFE	120~270	180~390	270~560	



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