2SC4155A

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

DESCRIPTION

2SC4155A 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)=0.3V 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	50	٧
V_{CEO}	Collector to Emitter voltage	50	٧
V_{EBO}	Emitter to Base voltage	6	٧
I o	Collector current	200	mA
P _c	Collector dissipation	200	mW
T _j	Junction temperature	+150	°C
T_{stg}	Storage temperature	-55 ~ +150	လူ

JEITA: SC-70 TERMINAL CONNECTER ①:BASE ②:EMITTER ③:COLLECTOR

ELECTRICAL CHARACTERISTICS (Ta=25°C)

Parameter	Symbol	Test conditions	Limits			Unit
Farameter	Symbol Test conditions		Min	Тур	Max	Unit
C to E break down voltage	V(BR)ceo	IC=100 μ A,RBE=∞	50	_	_	٧
Collector cut off current	ICBO	VCB=50V,IE=0	_	_	0.1	μΑ
Emitter cut off current	I EBO	VEB=4V,IC=0	_	_	0.1	μΑ
DC forward current gain	hFE	VCE=6V,IC=1mA	120	(※)	820	_
DC forward current gain	hFE	VCE=6V,IC=0.1mA	70	_	_	_
C to E Saturation Vlotage	VCE(sat)	IC=100mA,IB=10mA	_	_	0.3	٧
Gain bandwidth product	fT	VCE=6V,IE=-10mA	_	200	_	MHz
Collector output capacitance	Cob	VCB=6V,IE=0,f=1MHz	_	4	_	pF
Noise Figure	NF	VCE=6V,IE=-0.1mA,f=1kHz,RG=2k Ω	_	_	15	dB

 \divideontimes) It shows hFE classification in below table.

ltem	Q	R	S	Т
hFE Item	120~270	180~390	270~560	390~820



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