2SC4155A

For Low Frequency Amplify Application Silicon NPN Epitaxial Type (Super Mini type)

DESCURIPTION

2SC4155A is a super mini packege resin sealed silicon NPN epitaxial type transistor. It is designed for low frequency voltage amplify application.

FEATURE

- · Small collector to emitter saturation voltage VCE(sat)=0.3V max
- · Excellent lineality of DC forward current gain
- · Supper mini package for easy mounting

APPLICATION

For hybrid IC, small type machine low frequency voltage amplify application.

MAXIMUM RATINGS (Ta=25°C)

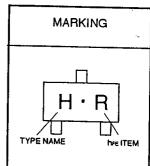
Symbol	Parameter	Ratings	Unit	
Vсво	Collector to Base voltage	50	l v	
VEBO	Emitter to Base voltage	6	1 ·	
VCEO	Collector to Emitter voltage	50	 	
lc	Collector current	200	mA	
Pc	Collector dissipation(Ta=25°C)	150	mW	
Tj	Junction temperature	+125	*c	
Tstg	Storage temprature	-55to+125	·c	

i stg	Storage temprature	-55to+125 °C		l l		1
EL.	ECTRICAL CHARACTERISTI	CS (Ta=25°C)				
Symbol	Parameter	Test conditions	Limits		Unit	
V(BR)CEO	C to E have 1		Min	Тур	Max	┧ ¨````
		I C=100 µ A, RBE=∞	50			V
СВО	Collector cut cff current	VcB=50V, I E=0		 	0.1	
I EBO	Emitter cut off current	VEB=4V, I C=0	 	 		μΑ
hre *	DC forward current gain	VcE=6V, I c=1mA	120		0.1	μA
hFE	DC forward current gain	VCE=6V, I C=0.1mA	+		820	
VCE(sat)			70			
	C to E Saturation voltage	I C=100mA, I B=10mA			0.3	V
fr	Gain band width product	VCE=6V, I E=-10mA		200		<u> </u>
Cob	Collector output capacitance	VcB=6V, I E=0, f=1MHz	 			MHz
NF	Noise figure			4	1	pF
141	Ivoise ligure	VCE=6V, I E=-0.1mA, $f=1kHz$, $RG=2k\Omega$		l	15	dB

*: It shows her claccification in right table.

ITEM	Q	R	s	Т
hfe	120~270	180~390	270~560	390~820

OUTLINE DRAWING Unit:mm TERMINAL CONNECTOR ①:BASE ②:EMITTER ③:COLLECTOR EIAJ : SC-70 JEDEC :

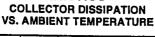


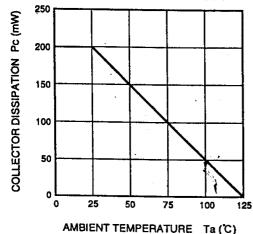
(Transistor)

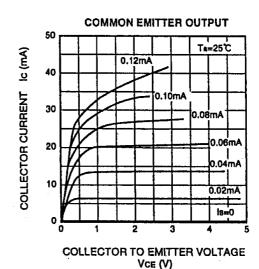
2SC4155A

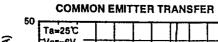
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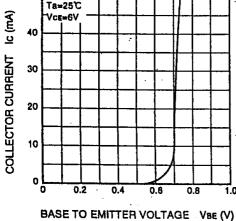
TYPICAL CHARACTERISTICS



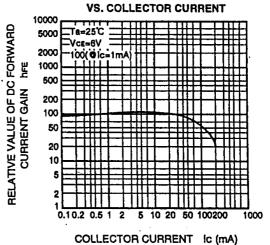




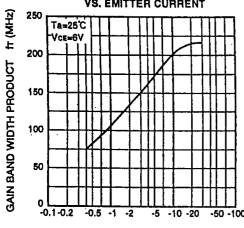






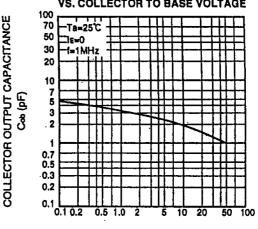


GAIN BAND WIDTH PRODUCT VS. EMITTER CURRENT



EMITTER CURRENT IE (mA)

COLLECTOR OUTPUT CAPACITANCE VS. COLLECTOR TO BASE VOLTAGE



COLLECTOR TO BASE VOLTAGE VCB (V)



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