

RT3CLLM-T150

Composite Transistor
For Low Frequency Amplify Application
Silicon NPN Epitaxial Type

AEC-Q101 Compliance

DESCRIPTION

RT3CLLM is compound transistor built with two 2SC3052 chips in SC-88 package.

FEATURE

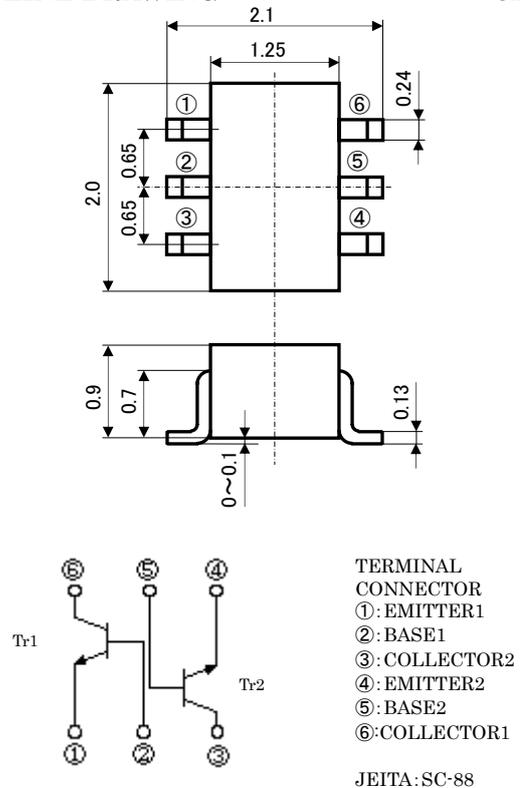
- Silicon NPN epitaxial type
- Each transistor elements are independent.
- Mini package for easy mounting

APPLICATION

For low frequency amplify application

OUTLINE DRAWING

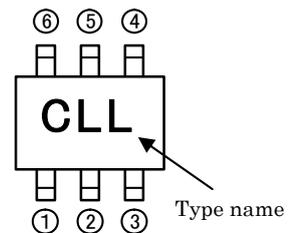
Unit: mm



MAXIMUM RATING (Ta=25°C) (Tr1, Tr2)

SYMBOL	PARAMETER	RATING	UNIT
VCBO	Collector to Base voltage	50	V
VEBO	Emitter to Base voltage	6	V
VCEO	Collector to Emitter voltage	50	V
IC	Collector current	200	mA
PT	Total dissipation	200	mW
Tj	Junction temperature	+150	°C
Tstg	Storage temperature	-55 ~ +150	°C

MARKING



ELECTRICAL CHARACTERISTICS (Ta=25°C) (Tr1, Tr2)

Symbol	Parameter	Test conditions	Limits			Unit
			Min	Typ	Max	
V(BR)CEO	Collector to Emitter breakdown voltage	IC=100 μA, RBE=∞	50	-	-	V
ICBO	Collector cut off current	VCB=50V, IE=0	-	-	0.1	μA
IEBO	Emitter cut off current	VEB=6V, IC=0	-	-	0.1	μA
hFE*	DC forward current gain	VCE=6V, IC=1mA	150	-	500	-
hFE	DC forward current gain	VCE=6V, IC=0.1mA	90	-	-	-
VCE(sat)	Collector to Emitter saturation voltage	IC=100mA, IB=10mA	-	-	0.3	V
fT	Gain band width product	VCE=6V, IE=10mA	-	200	-	MHz
Cob	Collector output capacitance	VCB=6V, IE=0, f=1MHz	-	2.5	-	pF
NF	Noise figure	VCE=6V, IE=0.1mA, f=1kHz, RG=2kΩ	-	-	15	dB

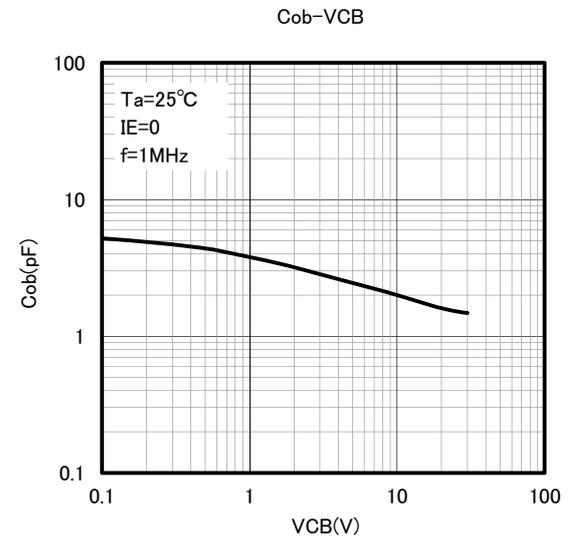
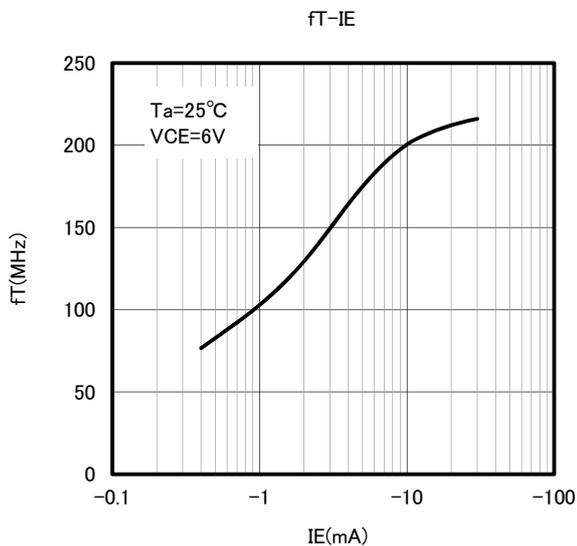
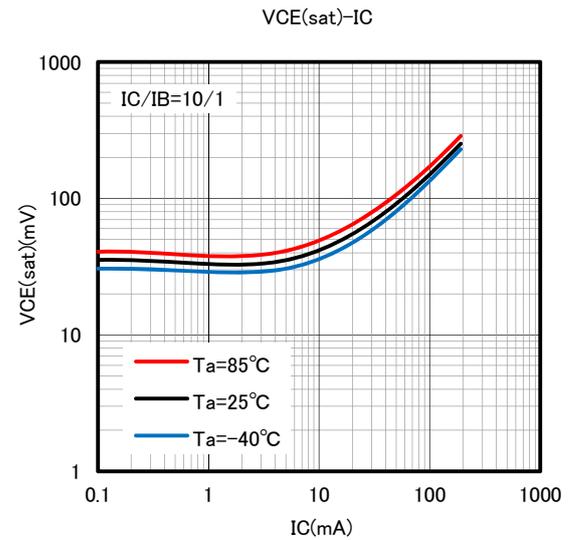
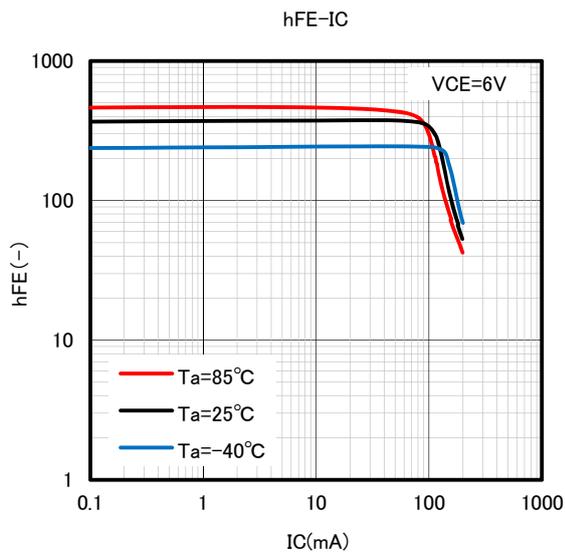
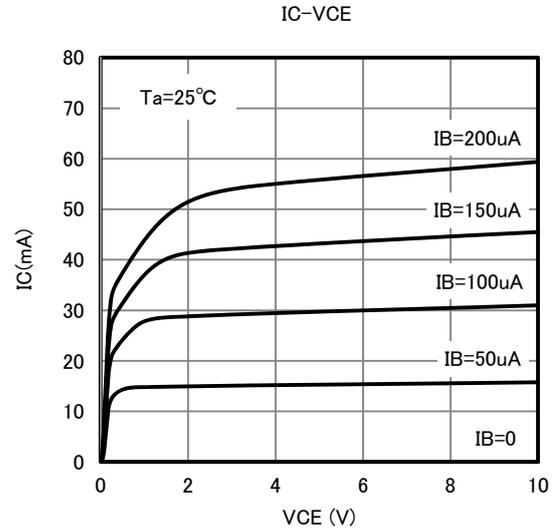
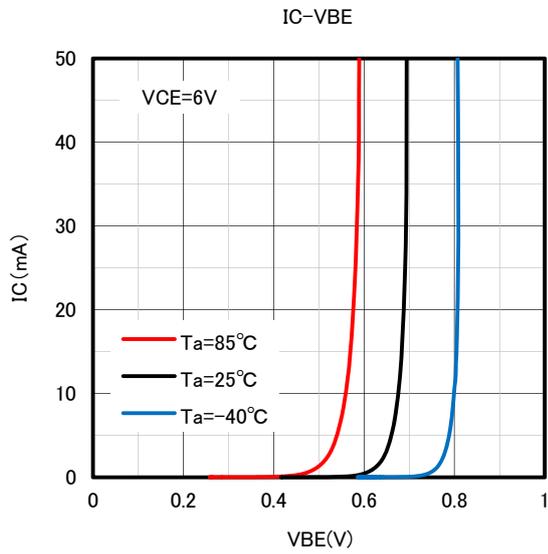
* : It shows hFE classification in right table.

Item	E	F
hFE	150 ~ 300	250 ~ 500

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TYPICAL CHARACTERISTICS (Tr1, Tr2)





Keep safety first in your circuit designs!

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