RT3CLLM

Compound Transistor For Low Frequency Amplify Application Silicon Npn Epitaxial Type

DESCRIPTION

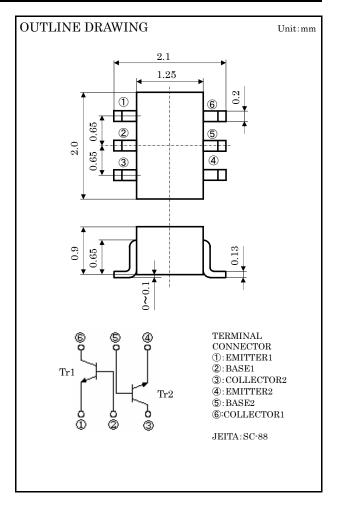
RT3CLLM is a compound transistor built with two 2SC3052 chips in SC-88 package.

FEATURE

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

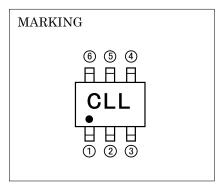
APPLICATION

For low frequency amplify application



MAXIMUM RATING (Ta=25°C)

SYMBOL	PARAMETER	RATING	UNIT	
Vcbo	Collector to Base voltage	50	V	
VEBO	Emitter to Base voltage	6	V	
$V_{\rm CEO}$	Collector to Emitter voltage	50	V	
Ic	Collector current	200	mA	
Pc(Total)	Collector dissipation (Ta=25°C)	150	mW	
Tj	Junction temperature	+125	ပ္	
$T_{ m stg}$	Storage temperature	-55~+125	°C	



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ELECTRICAL CHARACTERISTICS (Ta=25°C)

G11	Parameter	The state of the s	Limits			TT :
Symbol		Test conditions	Min	Тур	Max	Unit
V(BR)CEO	Collector to Emitter break down voltage	I _C =100 μ A,R _{BE} =∞	50	-	-	V
ICBO	Collector cut off current	V _{CB} =50V,I _E =0	-	-	0.1	μΑ
IEBO	Emitter cut off current	$V_{\rm EB}$ =6 V , $I_{\rm C}$ =0	-	-	0.1	μΑ
hFE*	DC forward current gain	V _{CE} =6V,I _C =1mA	150	-	800	-
hFE	DC forward current gain	V _{CE} =6V,I _C =0.1mA	90	-	-	-
VCE(sat)	Collector to Emitter saturation voltage	Ic=100mA,I _B =10mA	-	-	0.3	V
fT	Gain band width product	V _{CE} =6V,I _E =-10mA	-	200	-	MHz
Cob	Collector output capacitance	V _{CB} =6V,I _E =0,f=1MHz	-	2.5	-	pF
NF	Noise figure	V_{CE} =6 V_{IE} =-0.1 mA_{f} =1 kH_{Z} , R_{G} =2 $k\Omega$	-	-	15	dB

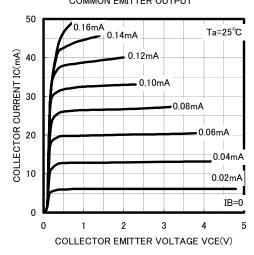
st : It shows hFE classification in right table.

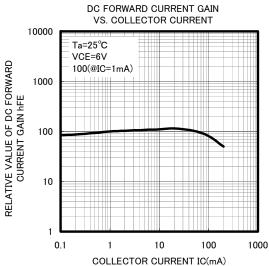
Item	E	F	G
hFE	150~300	250~500	400~800

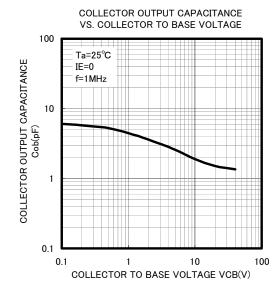
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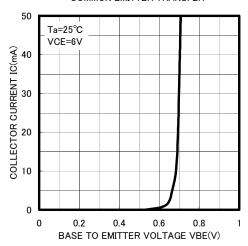
TYPICAL CHARACTERISTICS COMMON EMITTER OUTPUT



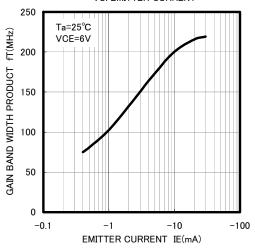




COMMON EMITTER TRANSFER



GAIN BAND WIDTH PRODUCT VS. EMITTER CURRENT





Marketing division, Marketing planning department

6-41 Tsukuba, Isahaya, Nagasaki, 854-0065 Japan

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