RT3WLMM

Composite Transistor For Low Frequency Amplify Application Silicon Epitaxial Type

DESCRIPTION

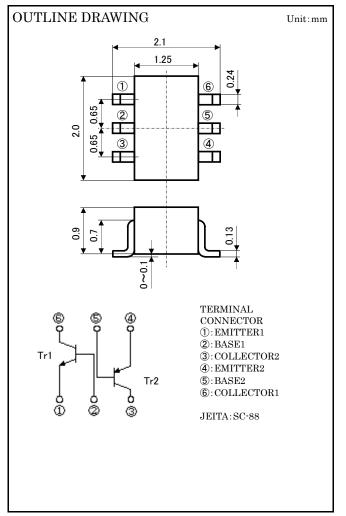
RT3WLMM is compound transistor built with 2SC3052 chip and ISA1235A chip in SC-88 package.

FEATURE

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

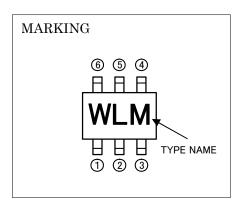
APPLICATION

For low frequency amplify application



MAXIMUM RATING (Ta=25°C) (Tr1_NPN, Tr2_PNP)

SYMBOL	PARAMETER	RAT	ING	UNIT	
SIMBOL	FARAMEIEK		Tr2	UNII	
Vcbo	Collector to Base voltage	50	-60	V	
Vebo	Emitter to Base voltage		-6	V	
VCEO	Collector to Emitter voltage		-50	V	
IC	Collector current	200	-200	mA	
$\mathbf{P}_{\mathbf{T}}$	Total dissipation	200		mW	
Tj	Junction temperature	+150		°C	
T_{stg}	T_{stg} Storage temperature $-55 \sim +150$		°C		



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Symbol	Demonster	Test conditions		Limits			Unit
	Parameter		Test conditions		Тур	Max	Unit
V(BR)CEO	Collector to Emitter breakdown voltage	Tr1	$I_{C}=100 \mu A,R_{BE}=\infty$	50	-	-	V
		Tr2	I_{C} =-100 μ A,R _{BE} = ∞	-50	-	-	
Ісво	Collector cut off current	Tr1	$V_{CB}=50V,I_{E}=0$	-	-	0.1	μA
		Tr2	$V_{CB} = -60V, I_{E} = 0$	-	-	-0.1	
I _{EBO} E	Emitter cut off current	Tr1	VEB=6V,Ic=0	-	-	0.1	
		Tr2	VEB=-6V,Ic=0	-	-	-0.1	μA
14	DC forward current gain	Tr1	V _{CE} =6V,I _C =1mA	150	-	500	-
hFE*		Tr2	VCE=-6V,IC=-1mA				
hFE	DC forward current gain	Tr1	VCE=6V,IC=0.1mA	- 90	-	_	-
		Tr2	VCE=-6V,IC=-0.1mA				
VCE(sat)	Collector to Emitter saturation voltage	Tr1	Ic=100mA,IB=10mA	-	-	0.3	v
		Tr2	IC=-100mA,IB=-10mA	-	-	-0.3	v
f_{T}	Gain band width product	Tr1	VCE=6V,IE=-10mA		200	-	MHz
		Tr2	VCE=-6V,IE=10mA	_			
Cob	Collector output capacitance	Tr1	$V_{CB}=6V, I_E=0, f=1MH_Z$	-	2.5	-	pF
		Tr2	V_{CB} =-6V,I _E =0,f=1MH _Z	_	4.0	_	
NF	Noise figure	Tr1	$V_{CE}=6V, I_{E}=-0.1 \text{mA}, f=1 \text{kH}_{Z}, R_{G}=2 \text{k} \Omega$	-	-	15	dB
		Tr2	$V_{CE}=-6V, I_{E}=0.3 \text{mA}, f=100 \text{Hz}, R_{G}=10 \text{k} \Omega$	-	-	20	uD

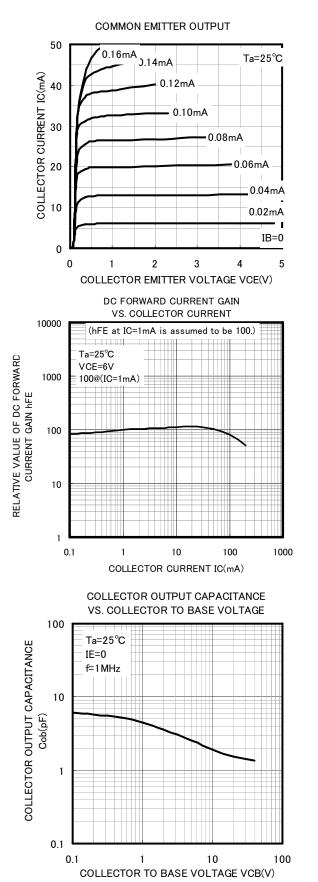
ELECTRICAL CHARACTERISTICS (Ta=25°C) (Tr1_NPN, Tr2_PNP)

*: It shows here classification in right table.

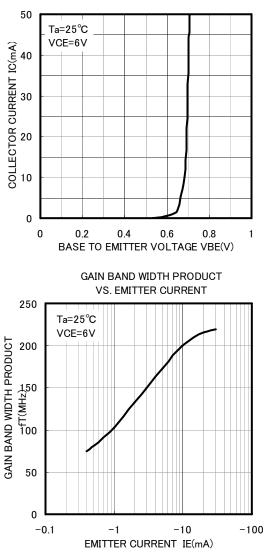
Item	Е	F
hFE	$150 \sim 300$	$250 \sim 500$

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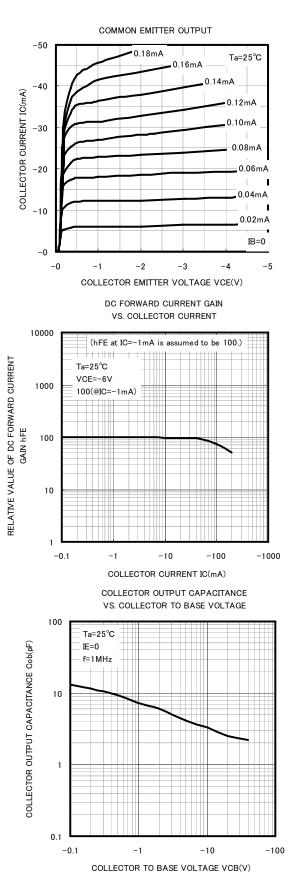




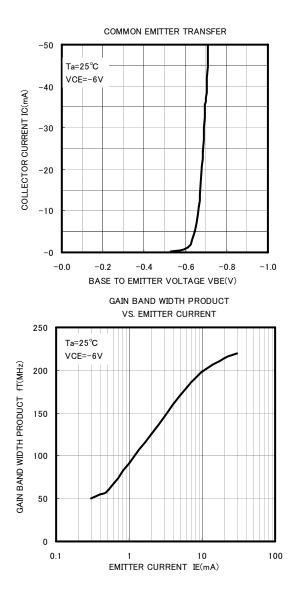
COMMON EMITTER TRANSFER

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