RT3WLMM

Composite Transistor For Low Frequency Amplify Application Silicon Epitaxial Type

DESCRIPTION

RT3WLMM is a composite transistor built with 2SC3052 chip and 2SA1235A chip in SC-88 package.

FEATURE

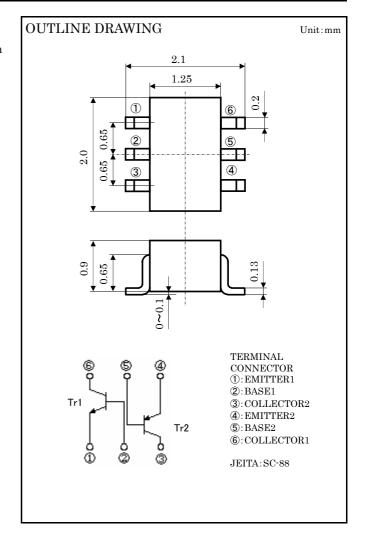
Silicon epitaxial type

Each transistor elements are independent.

Mini package for easy mounting

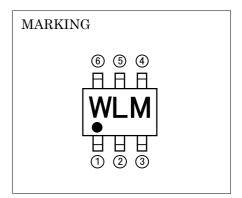
APPLICATION

For low frequency amplify application



MAXIMUM RATING (Ta=25°C)

SYMBOL	PARAMETER	RATING		UNIT	
SIMBOL	FARAMETER		Tr2		
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		mA	
Pc(Total)	Collector dissipation(Ta=25°C)	150		mW	
$T_{\rm j}$	Junction temperature	+125		°C	
$T_{ m stg}$	Storage temperature	erature -55~+125		°C	



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ELECTRICAL CHARACTERISTICS (Ta=25°C)

Symbol	Parameter	Test conditions	Limits			Unit
			Min	Тур	Max	Unit
V(BR)CEO	Collector to Emitter break down voltage	$I_C=100 \mu A, R_{BE}=\infty$	50	-	-	V
Icbo	Collector cut off current	V_{CB} =50 V , I_{E} =0	-	-	0.1	μΑ
IEBO	Emitter cut off current	$V_{EB}=6V,I_{C}=0$	-	-	0.1	μΑ
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	I _C =100mA,I _B =10mA	-	-	0.3	V
f_{T}	Gain band width product	V _{CE} =6V,I _E =-10mA	-	200	-	MHz
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} =6 V , I_E =-0.1 m A, f =1 k H $_Z$, R_G =2 k Ω	-	-	15	dB
		(Tr2) V_{CE} =-6 $V_{,IE}$ =0.3mA,f=100 H_{Z} , R_{G} =10 k Ω	-	-	20	

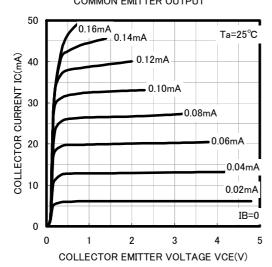
^{*:} It shows hee classification in right table.

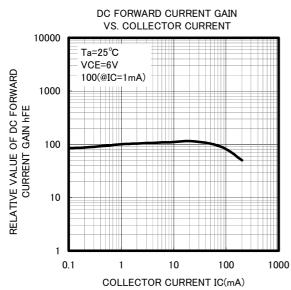
Item	Е	F
hFE	150~300	250~500

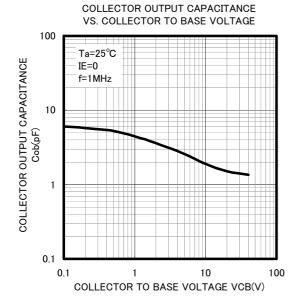
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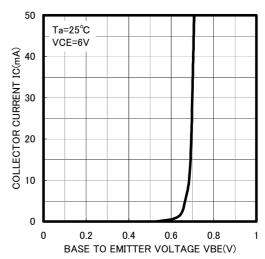
TYPICAL CHARACTERISTICS (Tr1) COMMON EMITTER OUTPUT



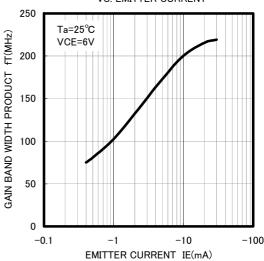




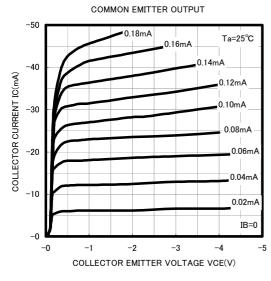
COMMON EMITTER TRANSFER

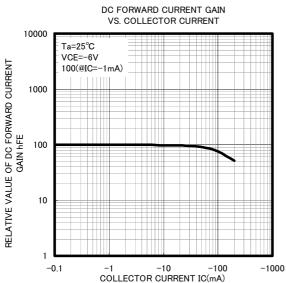


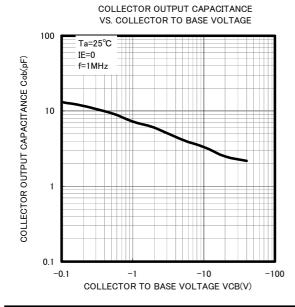
GAIN BAND WIDTH PRODUCT VS. EMITTER CURRENT

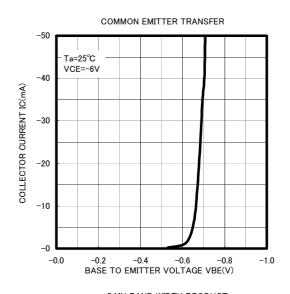


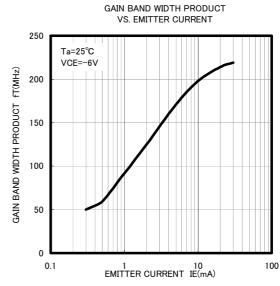
TYPICAL CHARACTERISTICS (Tr2)













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