RT3CLLM

Compound Transistor For Low Frequency Amplify Application Silicon Npn Epitaxial Type

DESCRIPTION

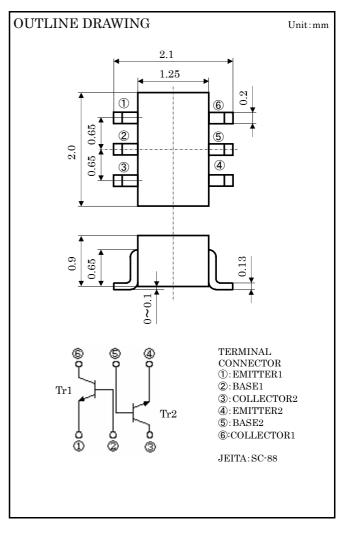
RT3CLLM is a compound transistor built with two 2SC3052 chips in SC-88 package.

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
VCEO	Collector to Emitter voltage	50	V
IC	Collector current	200	mA
Pc(Total)	Collector dissipation(Ta=25°C)	150	mW
Tj	Junction temperature	+125	°C
T_{stg}	Storage temperature	$-55 \sim +125$	°C

MARKING	
⑥ ⑤ ④ 日日 CLL ● 1 ② ③	

RT3CLLM

Compound Transistor For Low Frequency Amplify Application Silicon Npn Epitaxial Type

ELECTRICAL CHARACTERISTICS (Ta=25°C)

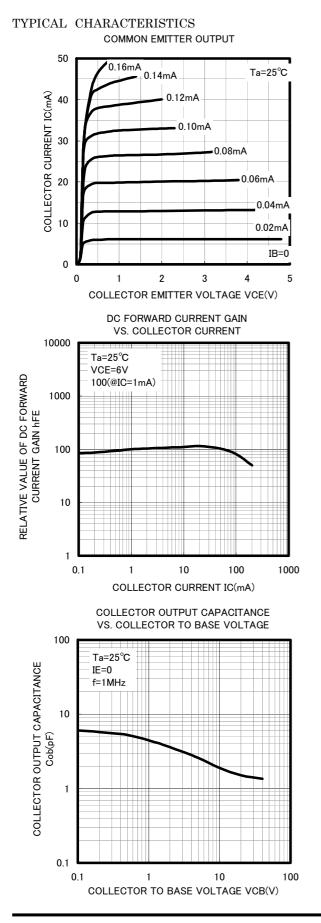
Symbol	Parameter	Test conditions	Limits			Unit
Symbol		Test conditions	Min	Тур	Max	Unit
V(BR)CEO	Collector to Emitter break down voltage	$I_{C}=100 \mu A, R_{BE}=\infty$	50	-	-	V
ICBO	Collector cut off current	$V_{CB}=50V,I_{E}=0$	-	-	0.1	μA
IEBO	Emitter cut off current	VEB=6V,Ic=0	-	-	0.1	μA
hFE*	DC forward current gain	VCE=6V,IC=1mA	150	-	800	-
hFE	DC forward current gain	V _{CE} =6V,I _C =0.1mA	90	-	-	-
VCE(sat)	Collector to Emitter saturation voltage	Ic=100mA,IB=10mA	-	-	0.3	V
\mathbf{f}_{T}	Gain band width product	VCE=6V,IE=-10mA	-	200	-	MHz
Cob	Collector output capacitance	V_{CB} =6V,I _E =0,f=1MH _Z	-	2.5	-	pF
NF	Noise figure	$V_{CE}=6V$,I _E =-0.1mA,f=1kHz,RG=2k Ω	-	-	15	dB

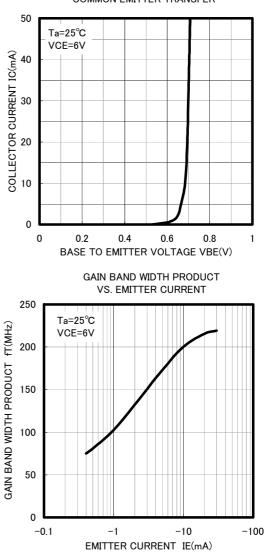
* : It shows hFE classification in right table.

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

RT3CLLM

Compound Transistor For Low Frequency Amplify Application Silicon Npn Epitaxial Type





COMMON EMITTER TRANSFER

ISAHAYA ELECTRONICS CORPORATION



Marketing division, Marketing planning department

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

Keep safety first in your circuit designs!

ISAHAYA Electronics Corporation puts the maximum effort into making semiconductor products better and more reliable, but there is always the possibility that trouble may occur with them. Trouble with semiconductors may lead to personal injury, fire or property damage. Remember to give due consideration to safety when making your circuit designs, with appropriate measures such as (1) placement of substitutive, auxiliary, (2) use of non-farmable material or (3) prevention against any malfunction or mishap.

Notes regarding these materials

These materials are intended as a reference to our customers in the selection of the ISAHAYA products best suited to the customer's application; they don't convey any license under any intellectual property rights, or any other rights, belonging

Customer's application; they don't convey any license under any intellectual property rights, or any other rights, belonging ISAHAYA or third party. ISAHAYA Flectronics Corporation assumes no responsibility for any damage, or infringement of any third party's rights, originating in the use of any product data, diagrams, charts or circuit application examples contained in these materials. •All information contained in these materials, including product data, diagrams and charts, represent information on products at the time of publication of these materials, and are subject to change by ISAHAYA Electronics Corporation without notice due to product improvements or other reasons. It is therefore recommended that customers contact ISAHAYA Electronics Corporation or an authorized ISAHAYA products distributor for the latest product information before purchasing product listed backing. hereir

ISAHAYA Electronics Corporation products are not designed or manufactured for use in a device or system that is used under circumstances in which human life is potentially at stake. Please contact ISAHAYA electronics corporation or an authorized ISAHAYA products distributor when considering the use of a product contained herein for any specific purposes, such as apparatus or systems for transportation, vehicular, medical, aerospace, nuclear, or undersea repeater use.
The prior written approval of ISAHAYA Electronics Corporation is necessary to reprint or reproduce in whole or in part these

materials.

If these products or technologies are subject to the Japanese export control restrictions, they must be exported under a license from the Japanese government and cannot be imported into a country other than the approved destination. Any diversion or re-export contrary to be export control laws and regulations of Japan and/or the country of destination is prohibited. •Please contact ISAHAYA Electronics Corporation or authorized ISAHAYA products distributor for further details on these

materials or the products contained therein.