

RT3TLLM

Composite Transistor With Resistor
For Switching Application
Silicon Epitaxial Type

DESCRIPTION

RT3TLLM is compound transistor built with RT1N230 chip and RT1P230 chip in SC-88 package.

FEATURE

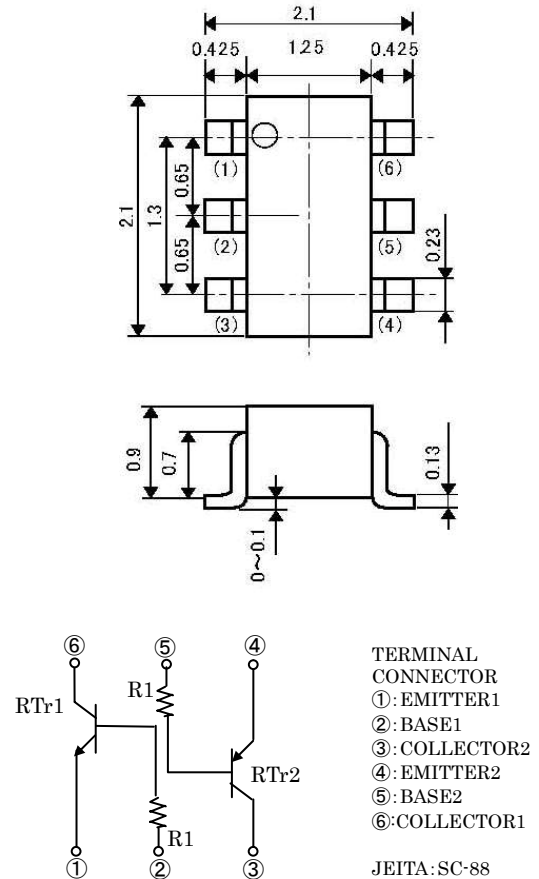
- Silicon epitaxial type
- Each transistor elements are independent.
- Mini package for easy mounting

APPLICATION

Inverted circuit, switching circuit,
interface circuit, driver circuit

OUTLINE DRAWING

Unit: mm

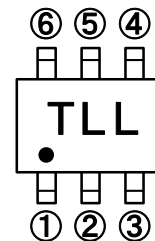


MAXIMUM RATING (Ta=25°C) (RTr1_NPN, RTr2_PNP)

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	100	mA
ICM	Peak Collector current	200	mA
PC	Collector dissipation (Total, Ta=25°C)	150	mW
Tj	Junction temperature	+150	°C
Tstg	Storage temperature	-55~+150	°C

※PNP built in transistor of "—" sign is abbreviation.

MARKING



RT3TLLM

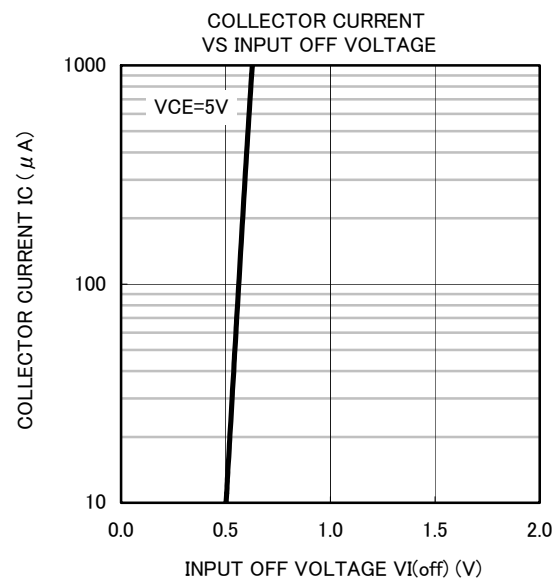
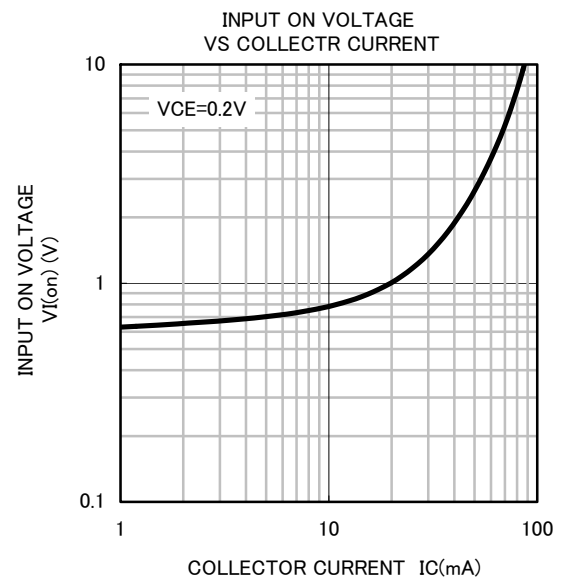
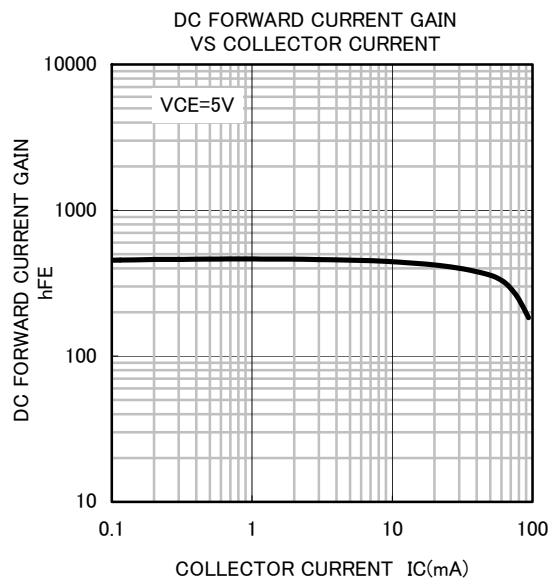
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ELECTRICAL CHARACTERISTICS (Ta=25°C) (RTr1_NPN, RTr2_PNP)

Symbol	Parameter	Test conditions	Limits			Unit
			MAX	TYP	MIN	
V(BR)CEO	Collector to Emitter break down voltage	I _C =100μA, R _{BE} =∞	50	—	—	V
I _{CBO}	Collector cut off current	V _{CB} =50V, I _E =0mA	—	—	0.1	μA
h _{FE}	DC forward current gain	V _{CE} =5V, I _C =1mA	100	—	—	-
V _{CE(sat)}	Collector to Emitter saturation voltage	I _C =10mA, I _B =0.5mA	—	—	0.3	V
R ₁	Input resistor		1.5	2.2	2.9	KΩ
f _T	Gain band width product	V _{CE} =6V, I _E =10mA	RTr1	200	—	MHz
			RTr2	150	—	

※PNP built in transistor of “—” sign is abbreviation.

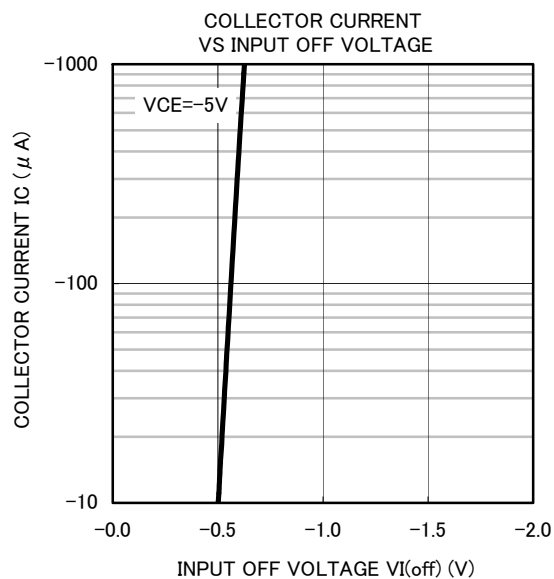
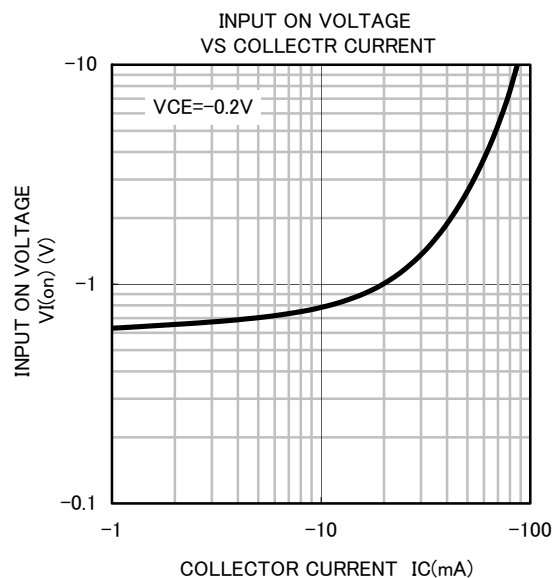
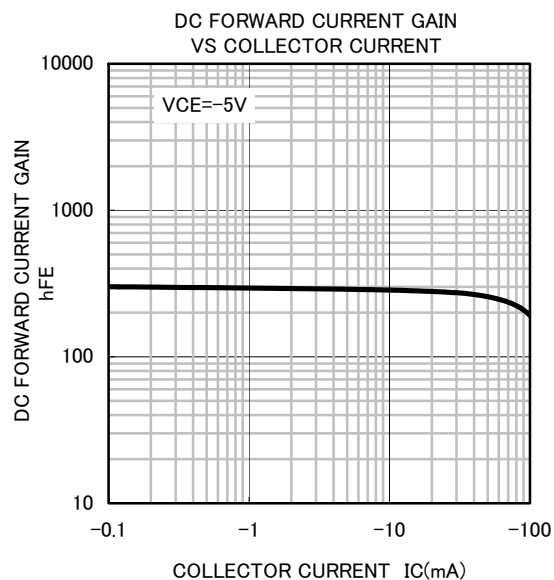
TYPICAL CHARACTERISTICS (RTr1_NPN)



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TYPICAL CHARACTERISTICS (RT_{r2}_PNP)





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