

RT3TTM

Composite Transistor With Resistor
For Switching Application
Silicon Epitaxial Type

DESCRIPTION

RT3TTM is compound transistor built with RT1N250 chip and RT1P250 chip in SC-88 package.

FEATURE

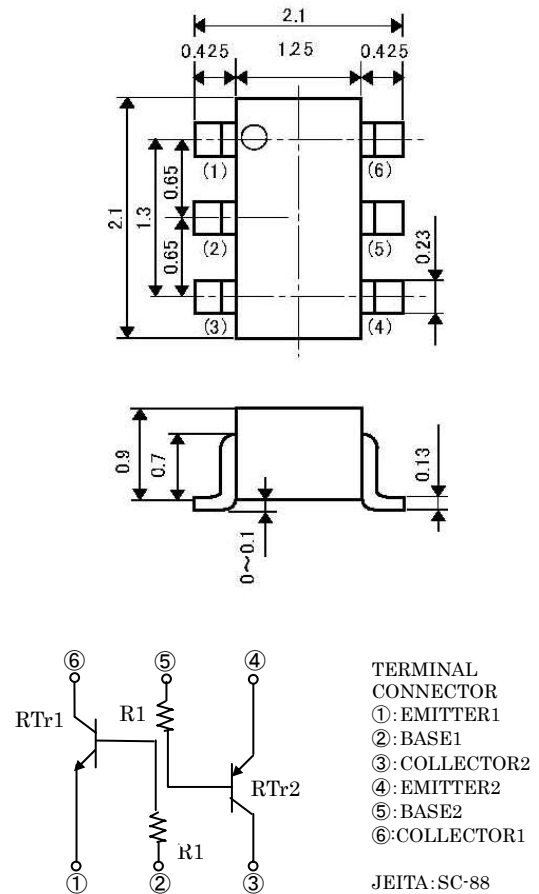
Silicon epitaxial type
Each transistor elements are independent.
Mini package for easy mounting

APPLICATION

Inverted circuit, switching circuit,
interface circuit, driver circuit

OUTLINE DRAWING

Unit: mm

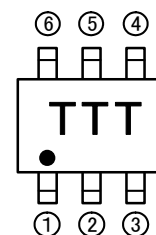


MAXIMUM RATING (Ta=25°C) (RTr1_NPN, RTr2_PNP)

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



RT3TTM

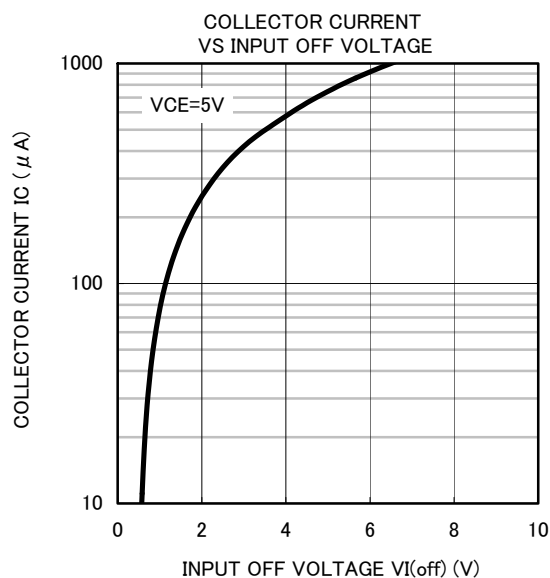
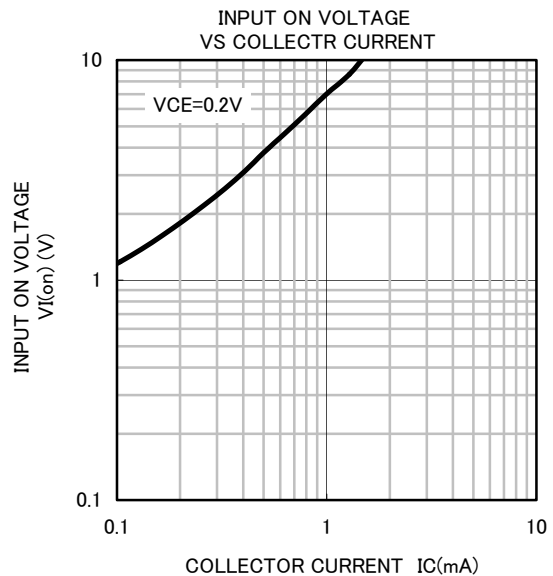
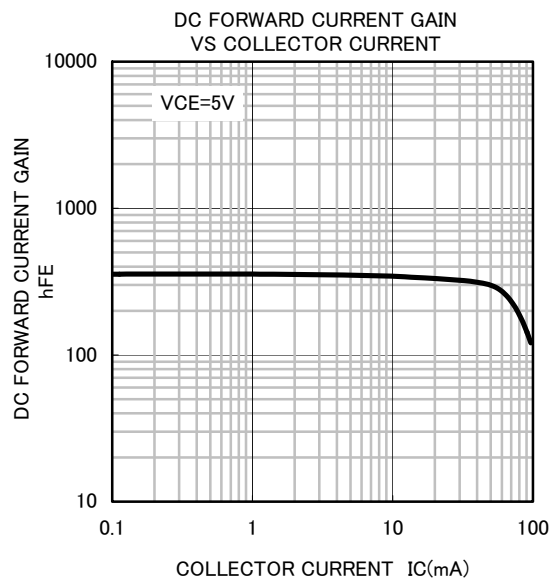
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ELECTRICAL CHARACTERISTICS (Ta=25°C) (RTr1_NPN, RTr2_PNP)

Symbol	Parameter	Test conditions	Limits			Unit
			Min	Typ	Max	
V(BR)CEO	Collector to Emitter break down voltage	IC=100 μ A, RBE= ∞	50	-	-	V
ICBO	Collector cut off current	VCB=50V, IE=0	-	-	0.1	μ A
hFE	DC forward current gain	VCE=5V, IC=1mA	100	-	-	-
VCE(sat)	Collector to Emitter saturation voltage	IC=0.5mA, IB=0.05mA	-	0.1	0.3	V
R1	Input resistor	-	140	200	260	k Ω
fT	Gain band width product	VCE=6V, IE=10mA	RTr1	-	200	MHZ
			RTr2	-	150	

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

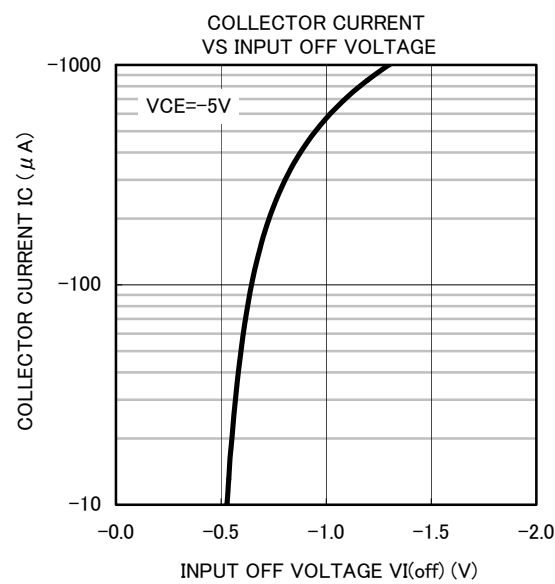
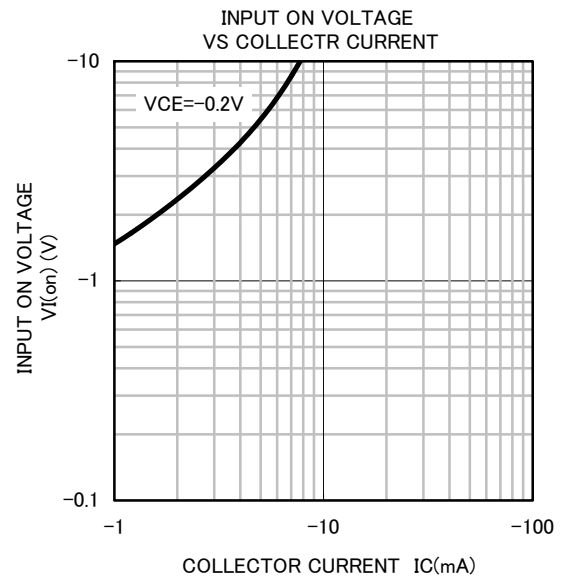
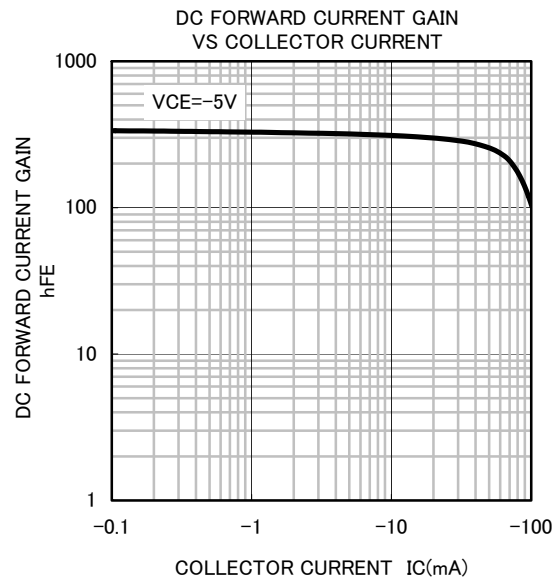
TYPICAL CHARACTERISTICS (RTr1_NPN)



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TYPICAL CHARACTERISTICS (RT_r2_PNP)





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