

RT3PUUM

Composite Transistor With Resistor
For Switching Application
Silicon Epitaxial Type

DESCRIPTION

RT3PUUM is composite transistor built with two RT1P14B chips in SC-88 package.

FEATURE

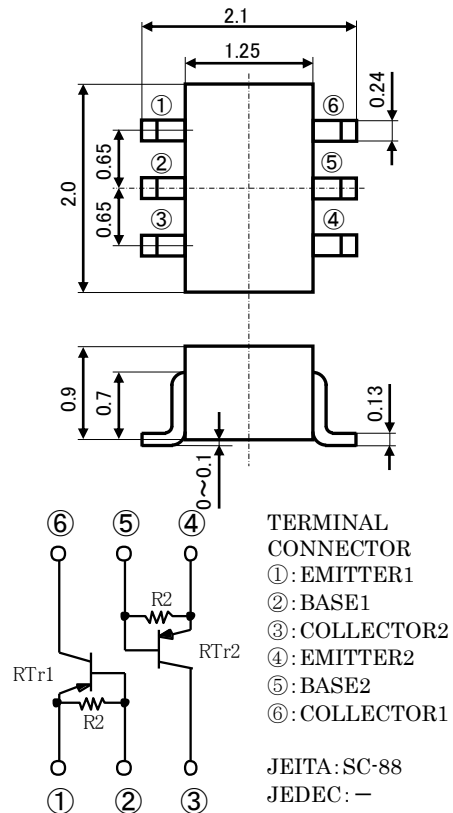
- Silicon epitaxial type
- Each transistor elements are independent.
- Mini package for easy mounting

APPLICATION

- Inverted circuit, Switching circuit,
- Interface circuit, Driver circuit

OUTLINE DRAWING

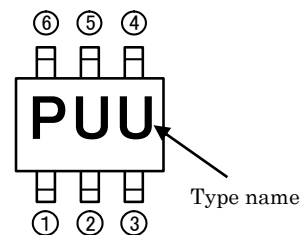
Unit:mm



MAXIMUM RATING(T_a=25°C)(RT_r1, RT_r2 COMMON)

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
I _C	Collector current	-100	mA
I _{CM}	Peak Collector current	-200	mA
P _T	Total dissipation	200	mW
T _j	Junction temperature	+150	°C
T _{stg}	Storage temperature	-55~+150	°C

MARKING



ELECTRICAL CHARACTERISTICS(T_a=25°C)(RT_r1, RT_r2 COMMON)

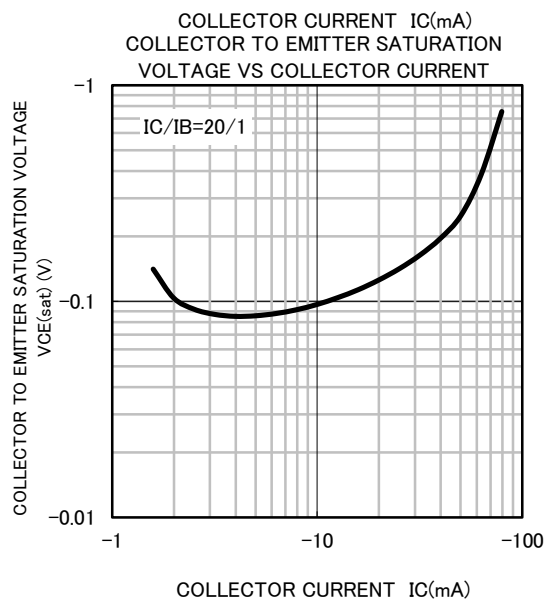
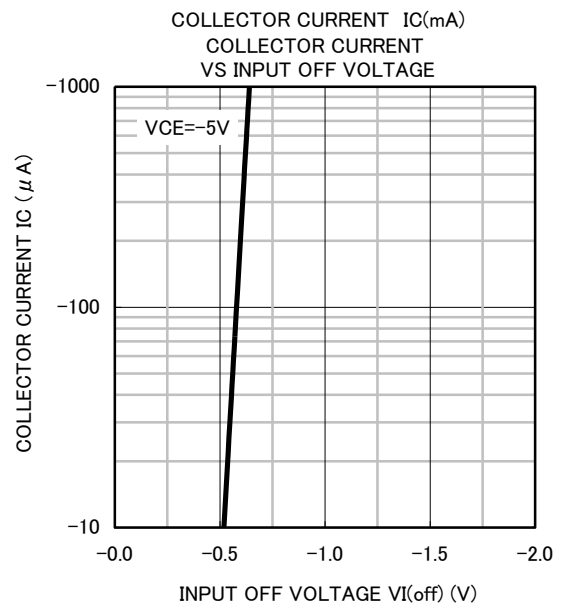
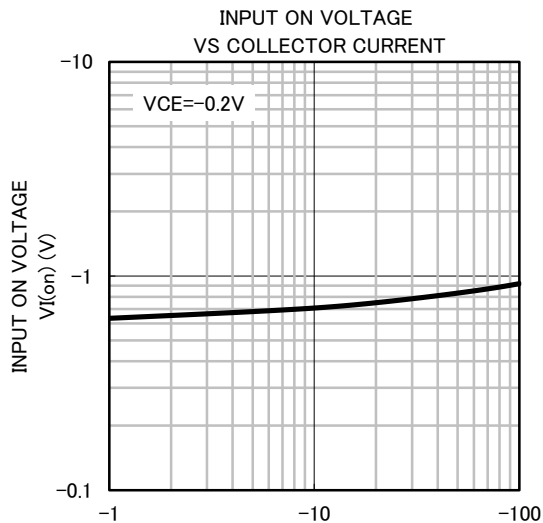
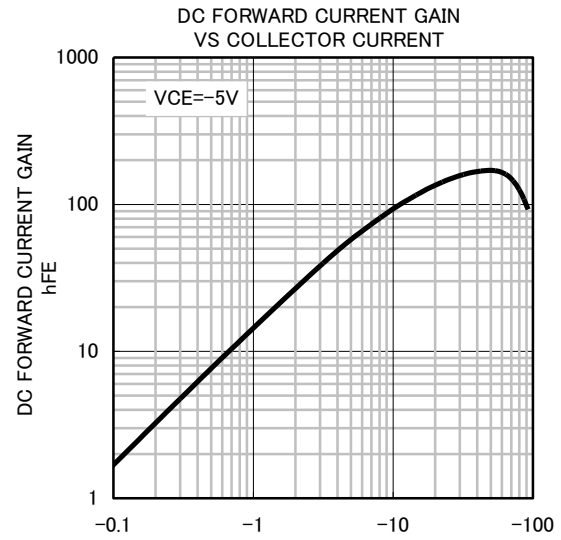
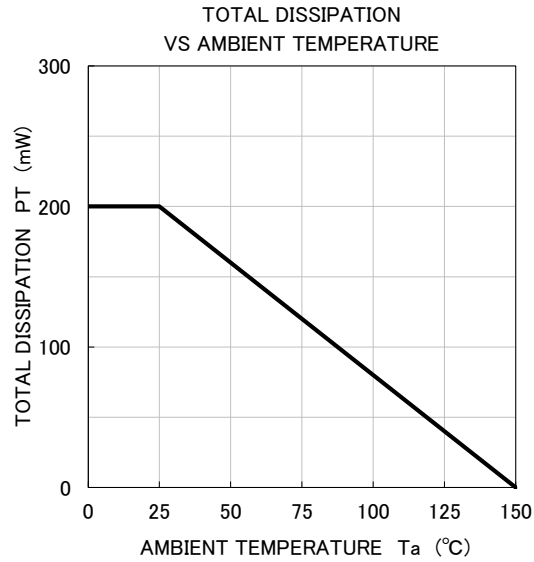
SYMBOL	PARAMETER	TEST CONDITIONS	LIMITS			UNIT
			MIN	TYP	MAX	
V(BR)CEO	Collector to Emitter breakdown voltage	I _C =-100 μA, R _{BE} =∞	-50	-	-	V
ICBO	Collector cut off current	V _{CB} =-50V, I _E =0	-	-	-0.1	μA
IEBO	Emitter cut off current	V _{EB} =-5V, I _C =0	-375	-500	-725	μA
h _{FE}	DC forward current gain	V _{CE} =-5V, I _C =-5mA	30	-	-	-
V _{CE(sat)}	Collector to Emitter saturation voltage	I _C =-10mA, I _B =-0.5mA	-	-	-0.3	V
R ₂	Emitter to Base resistor	-	7	10	13	kΩ
f _T	Gain band width product	V _{CE} =-6V, I _E =10mA	-	150	-	MHz

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Composite Transistor With Resistor
For Switching Application
Silicon Epitaxial Type

TYPICAL CHARACTERISTICS

($T_a=25^\circ\text{C}$)(RTr1,RTr2 COMMON)



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