

RT3NHHM

Composite Transistor With Resistor
For Switching Application
Silicon NPN Epitaxial Type

DESCRIPTION

RT3NHHM is compound transistor built with two RT1N436 chips in SC-88 package.

FEATURE

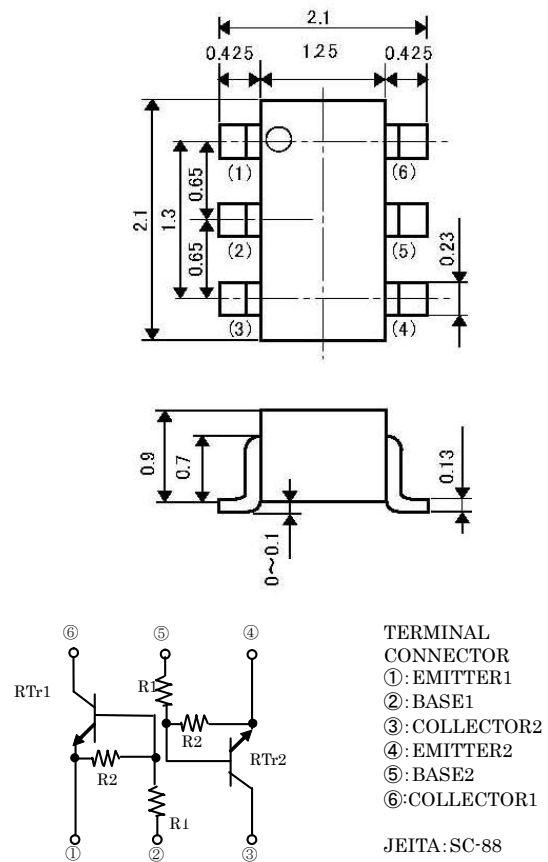
- Silicon NPN epitaxial type.
- Built in bias resistor.
- Each transistor elements are independent.
- Mini package for easy mounting

APPLICATION

- Inverted circuit, switching circuit,
- interface circuit, driver circuit

OUTLINE DRAWING

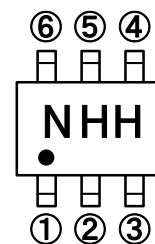
Unit: mm



MAXIMUM RATING (Ta=25°C) (RTTr1, RTTr2.)

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
VIN	Input voltage	30	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

MARKING



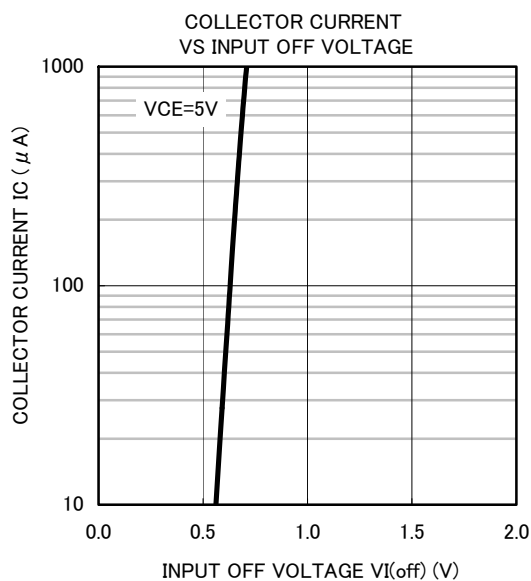
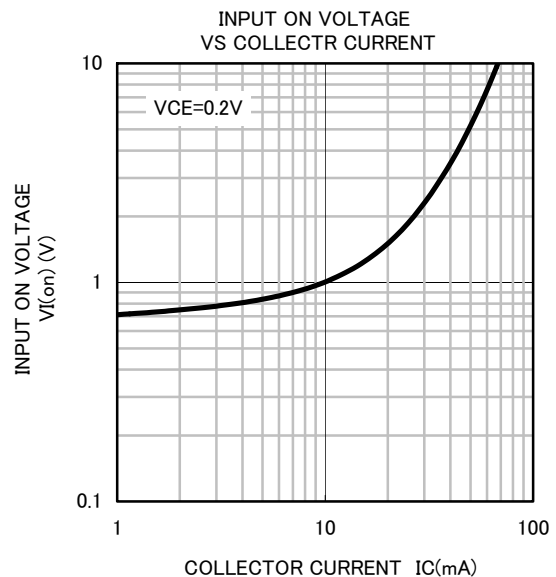
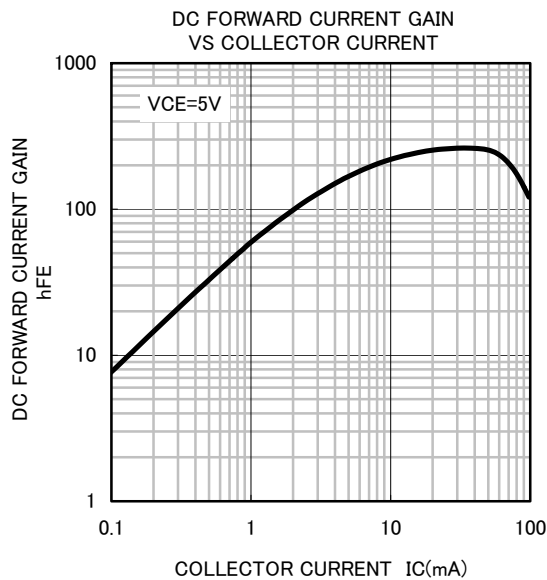
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ELECTRICAL CHARACTERISTICS (Ta=25°C) (RTr1, RTr2.)

Symbol	Parameter	Test conditions	Limits			Unit
			Min	Typ	Max	
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 =0	-	-	0.1	μA
h _{FE}	DC forward current gain	V _{CE} =5V, I _C =10mA	80	-	-	-
V _{CE(sat)}	Collector to Emitter saturation voltage	I _C =10mA, I _B =0.5mA	-	-	0.3	V
V _{I(ON)}	Input on voltage	V _{CE} =0.2V, I _C =5mA	-	0.8	1.4	V
V _{I(OFF)}	Input off voltage	V _{CE} =5V, I _C =100μA	0.4	0.6	-	V
R ₁	Input resistor		3.3	4.7	6.1	KΩ
R ₂ /R ₁	Resistor ratio		8	10	12	-
f _T	Gain band width product	V _{CE} =6V, I _E =-10mA	-	200	-	MHz

TYPICAL CHARACTERISTICS (RTr1, RTr2)





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