RT3THHM

Composite Transistor With Resistor For Switching Application Silicon Epitaxial Type

DESCRIPTION

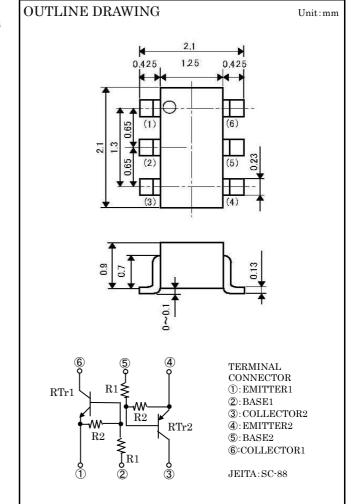
RT3THHM is compound transistor built with RT1N436 chip and RT1P436 chip in SC-88 package.

FEATURE

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

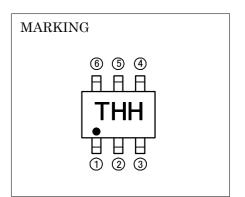
APPLICATION

Inverted circuit, switching circuit, interface circuit, driver circuit



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	
T_{stg}	Storage temperature	-55~+150	°C	



PNP built in transistor of "-"sign is abbreviation.

RT3THHM

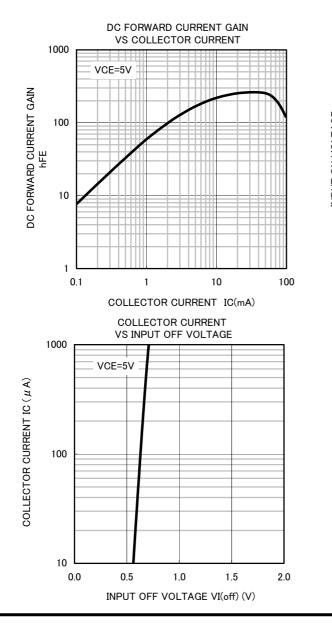
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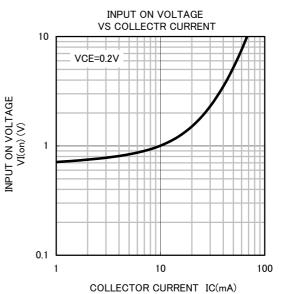
ELECTRICAL CHARACTERISTICS (Ta=25°C) (RTr1_NPN, RTr2_PNP)

Symbol	Parameter	Test conditions		Limits			TT 14
				Min	Тур	Max	Unit
V(BR)CEO	Collector to Emitter break down voltage	Ic=100 µ A,RBE=∞		50	-	-	V
Ісво	Collector cut off current	V _{CB} =50V,I _E =0		-	-	0.1	μA
hfe	DC forward current gain	VCE=5V,IC=10mA		80	-	-	-
VCE(sat)	Collector to Emitter saturation voltage	I _C =10mA,I _B =0.5mA		-	-	0.3	V
VI(ON)	Input on voltage	VCE=0.2V,IC=5mA		-	0.8	1.4	V
VI(OFF)	Input off voltage	V _{CE} =5V,I _C =100 µ A		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	-
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)

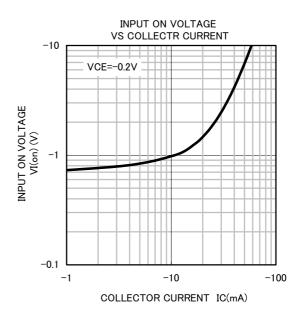


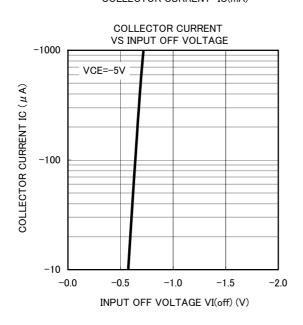


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TYPICAL CHARACTERISTICS (RTr2_PNP)







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