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

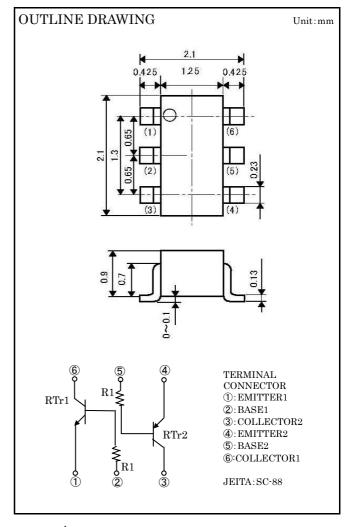
Silicon epitaxial type

Each transistor elements are independent.

Mini package for easy mounting

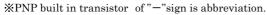
APPLICATION

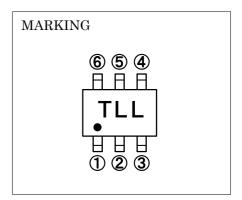
Inverted circuit, switching circuit, interface circuit, driver circuit



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	
Ісм	Peak Collector current	200	mA	
Pc	Collector dissipation(Total, Ta=25°C)	150	mW	
Tj	Junction temperature	+150	ပ	
$T_{ m stg}$	Storage temperature	-55~+150	°C	





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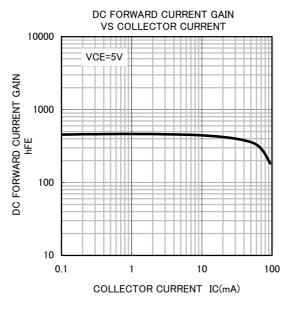
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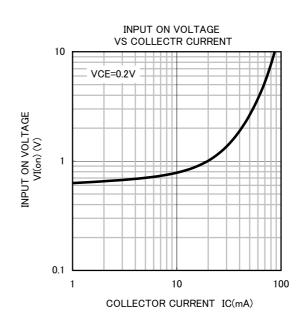
ELECTRICAL CHARACTERISTICS (Ta=25°C) (RTr1_NPN, RTr2_PNP)

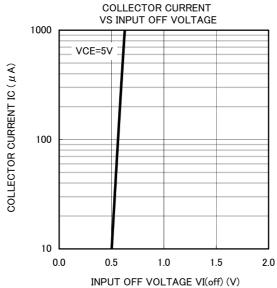
Symbol	Parameter	Test conditions		Limits			
				MAX	TYP	MIN	Unit
V(BR)CEO	Collector to Emitter break down voltage	I c=100μA, R _{BE} =∞		50	_	1	V
Ісво	Collector cut off current	V_{CB} =50V, I $_{E}$ =0mA		_	_	0.1	μA
hfe	DC forward current gain	V _{CE} =5V, I C=1mA		100	_	-	-
VCE(sat)	Collector to Emitter saturation voltage	I c=10mA, I _B =0. 5mA		_	_	0.3	V
R ₁	Input resistor			1.5	2.2	2.9	ΚΩ
fT	Gain band width product	$V_{\rm CE}$ =6V, I $_{\rm E}$ =10mA	RTr1	_	200	-	MHz
			RTr2	_	150	_	

XPNP built in transistor of "−"sign is abbreviation.

TYPICAL CHARACTERISTICS (RTr1_NPN)

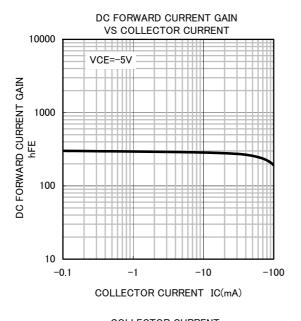


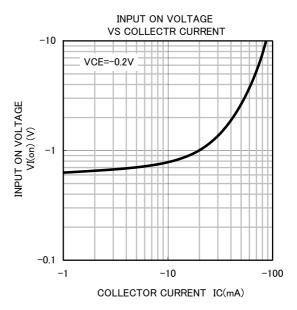


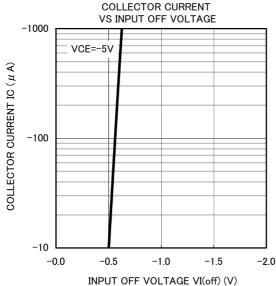


Composite Transistor With Resistor For Switching Application Silicon Epitaxial Type

TYPICAL CHARACTERISTICS (RTr2_PNP)









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