## RT3TTM

Composite Transistor With Resistor For Switching Application Silicon Epitaxial Type

## DESCRIPTION

RT3TTTM is a composite transistor built with RT1N250 chip and RT1P250 chip in SC-88 package.

#### **FEATURE**

Silicon epitaxial type

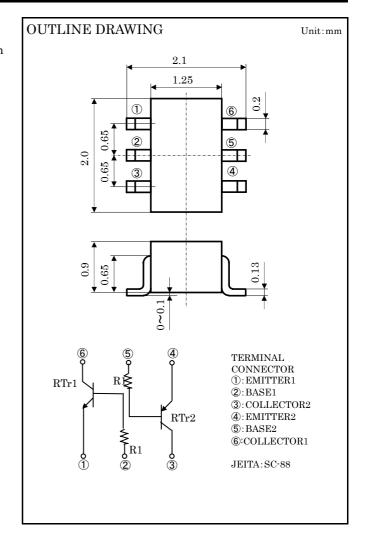
Each transistor elements are independent.

Mini package for easy mounting

## APPLICATION

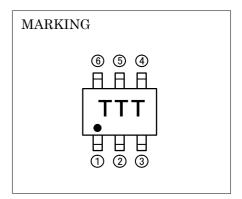
Inverted circuit, switching circuit, interface circuit, driver circuit

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



## MAXIMUM RATING (Ta=25°C)

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



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# ELECTRICAL CHARACTERISTICS (Ta=25°C)

Symbol	Parameter	Test conditions		Limits			Unit
				Min	Typ	Max	Onit
V(BR)CEO	Collector to Emitter break down voltage	$I_{\rm C}=100\mu{\rm A,R_{BE}}=\infty$		50	-	-	V
Icbo	Collector cut off current	V <sub>CB</sub> =50V,I <sub>E</sub> =0		-	-	0.1	μΑ
hFE	DC forward current gain	Vce=5V,Ic=1mA		100	-	-	-
VCE(sat)	Collector to Emitter saturation voltage	I <sub>C</sub> =0.5mA,I <sub>B</sub> =0.05mA		-	0.1	0.3	V
$R_1$	Input resistor	-		140	200	260	kΩ
fT	Gain band width product	Vce=6V,Ie=10mA	Tr1 Tr2	-	200 150	-	MHz



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