RT3NNNM

Composite Transistor With Resistor For Switching Application Silicon Epitaxial Type

DESCRIPTION

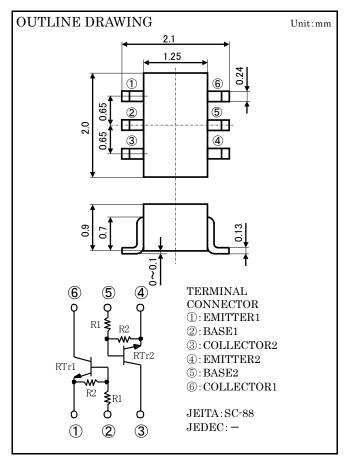
RT3NNNM is composite transistor built with two RT1N44H chips in SC-88 package.

FEATURE

Built-in bias resistor (R1=47k Ω , R2=22k Ω) Mini package for easy mounting

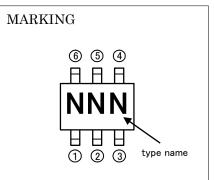
APPLICATION

Inverted circuit, Switching circuit, Interface circuit, Driver circuit



MAXIMUM RATING(Ta=25°C)(RTr1, RTr2 COMMON)

SYMBOL	PARAMETER	RATING	UNIT	
VCBO	Collector to Base voltage	50	V	
VEBO	Emitter to Base voltage	10	V	
VCEO	Collector to Emitter voltage	50	V	
$V_{\rm IN}$	Input voltage	40	V	
Ic	Collector current	100	mA	
ICM	Peak Collector current	200	mA	
Рт	Total dissipation	200	mW	
Tj	Junction temperature	+150	°C	
$T_{\rm stg}$	Storage temperature	-55~+150	°C	



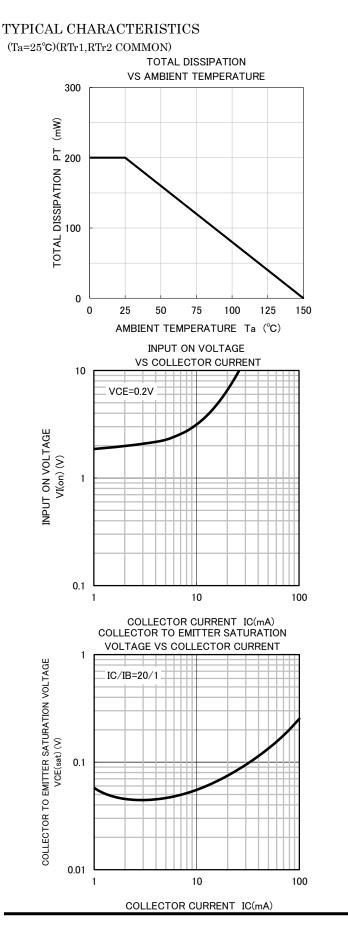
ELECTRICAL CHARACTERISTICS(Ta=25°C)(RTr1, RTr2 COMMON)

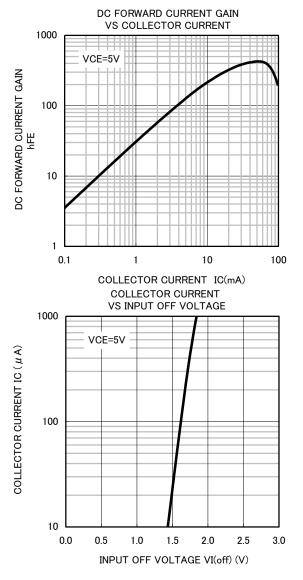
SYMBOL	PARAMETER	TEST CONDITIONS	LIMITS			UNIT
			MIN	TYP	MAX	UNII
V(BR)CEO	Collector to Emitter breakdown voltage	$I_{C}=100 \mu$ A, $R_{BE}=\infty$	50	—	—	V
Ісво	Collector cut off current	V_{CB} =50V, I_E =0	1	_	0.1	μA
IEBO	Emitter cut off current	$V_{EB}=5V$, $I_C=0$	54	72	105	μΑ
hFE	DC forward current gain	V _{CE} =5V, I _C =5mA	56	—	—	_
VCE(sat)	Collector to Emitter saturation voltage	$I_C=10mA$, $I_B=0.5mA$	1	_	0.3	V
V _{I(ON)}	Input on voltage	V _{CE} =0.2V, I _C =5mA	-	2.6	6.3	V
V _{I(OFF)}	Input off voltage	$V_{CE}=5V$, $I_C=100 \mu$ A	1.3	1.7	—	V
R_1	Input resistor	-	33	47	61	kΩ
R_2/R_1	Resistor ratio	-	0.37	0.47	0.57	_
fT	Gain band width product	$V_{CE}=6V$, $I_{E}=-10mA$		200	_	MHz

ISAHAYA ELECTRONICS CORPORATION

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