RT2N24M

Composite Transistor With Resistor For Switching Application Silicon NPN Epitaxial Type

DESCRIPTION

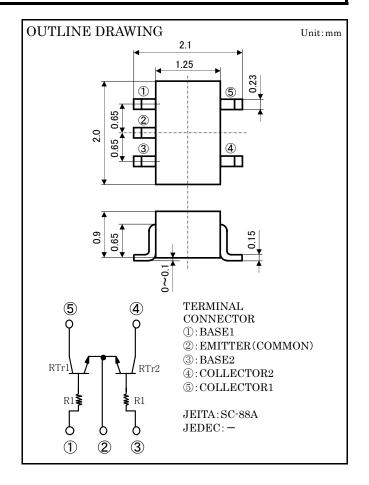
RT2N24M is composite transistor with built-in bias resistor.

FEATURE

Built-in bias resistor (R1=100 $k\Omega$) Mini package for easy mounting

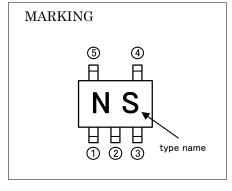
APPLICATION

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	6	V
VCEO	Collector to Emitter voltage	50	V
Ic	Collector current	100	mA
Icm	Peak Collector current	200	mA
PT	Total dissipation	200	mW
Tj	Junction temperature	+150	°C
T_{stg}	Storage temperature	-55~+150	္င



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

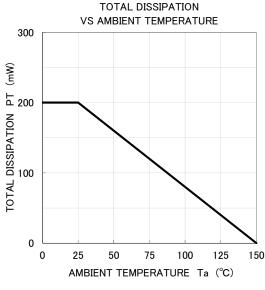
SYMBOL	PARAMETER	TEST CONDITIONS	LIMITS			UNIT
			MIN	TYP	MAX	UNII
V(BR)CEO	Collector to Emitter breakdown voltage	$I_C=100 \muA$, $R_{BE}=\infty$	50	_	ı	V
Icbo	Collector cut off current	V_{CB} =50V, I_{E} =0	_	_	0.1	μΑ
IEBO	Emitter cut off current	V_{EB} =5V, I_C =0	_	_	0.1	μΑ
hFE	DC forward current gain	V _{CE} =5V, I _C =1mA	100	_	_	_
VCE(sat)	Collector to Emitter saturation voltage	$I_C=1mA$, $I_B=0.1mA$	_	_	0.3	V
R ₁	Input resistor	_	70	100	130	kΩ
f_{T}	Gain band width product	V _{CE} =6V, I _E =-10mA	_	200	_	MHz

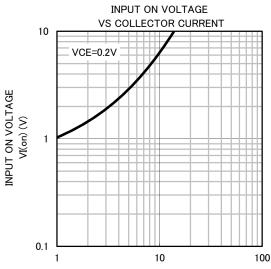
RT2N24M

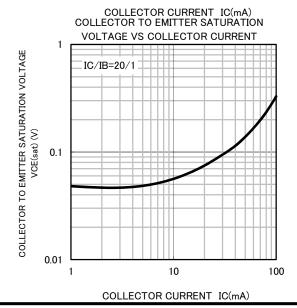
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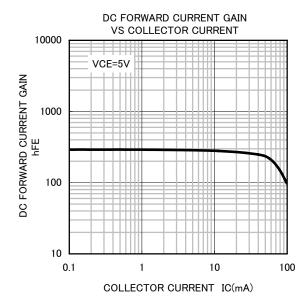
TYPICAL CHARACTERISTICS

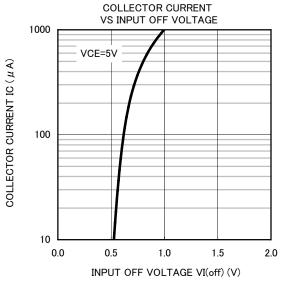
(Ta=25°C)(RTr1,RTr2 COMMON)













Keep safety first in your circuit designs!

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