RT2N19M

Composite Transistor With Resistor For Switching Application Silicon NPN Epitaxial Type

DESCRIPTION

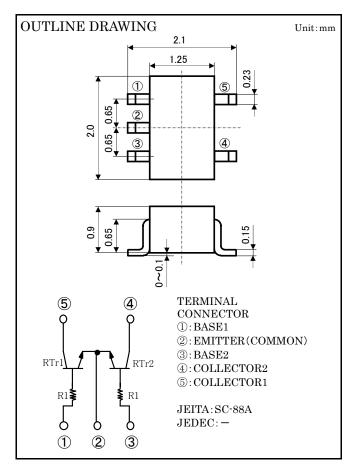
RT2N19M is composite transistor with built-in bias resistor.

FEATURE

Built-in bias resistor (R1=2.2kΩ) Mini package for easy mounting

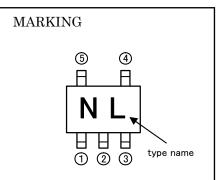
APPLICATION

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
P_{T}	Total dissipation	200	mW
Tj	Junction temperature	+150	°C
T_{stg}	Storage temperature	-55~+150	°C

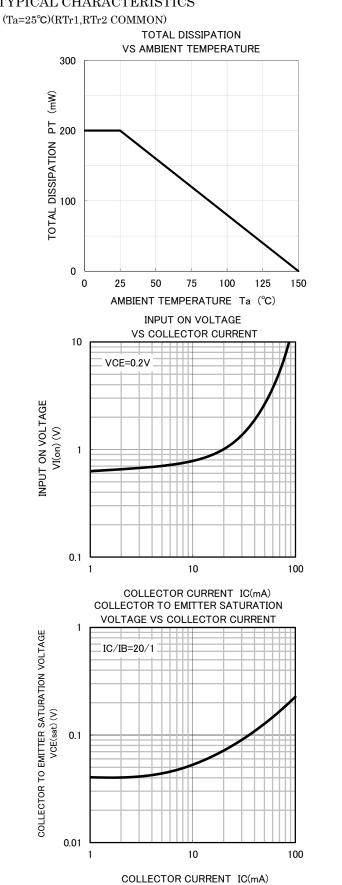


ELECTRICAL CHARACTERISTICS(Ta=25°C)(RTr1, RTr2 COMMON)

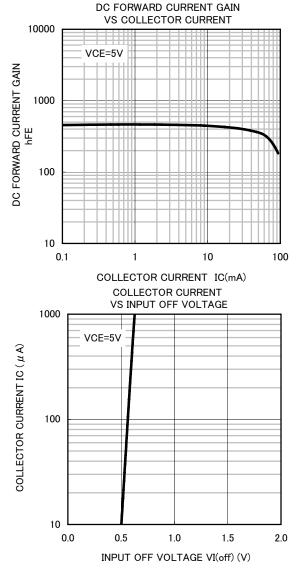
SYMBOL	PARAMETER	TEST CONDITIONS	LIMITS			UNIT
			MIN	TYP	MAX	UNII
V(BR)CEO	Collector to Emitter breakdown voltage	$I_{C}=100 \mu$ A, $R_{BE}=\infty$	50	—	—	V
ICBO	Collector cut off current	$V_{CB}=50V$, $I_{E}=0$	Ι	—	0.1	μA
IEBO	Emitter cut off current	V_{EB} =5V, I_C =0	1	—	0.1	μA
hFE	DC forward current gain	V _{CE} =5V, I _C =1mA	100	—	—	_
VCE(sat)	Collector to Emitter saturation voltage	Ic=10mA, IB=0.5mA	-	—	0.3	V
R_1	Input resistor	-	1.5	2.2	2.9	kΩ
f_{T}	Gain band width product	$V_{CE}=6V$, $I_{E}=-10mA$		200	_	MHz

RT2N19M

Composite Transistor With Resistor For Switching Application Silicon NPN Epitaxial Type



TYPICAL CHARACTERISTICS



ISAHAYA ELECTRONICS CORPORATION

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