# RT2P22M

Composite Transistor With Resistor For Switching Application Silicon PNP Epitaxial Type

#### DESCRIPTION

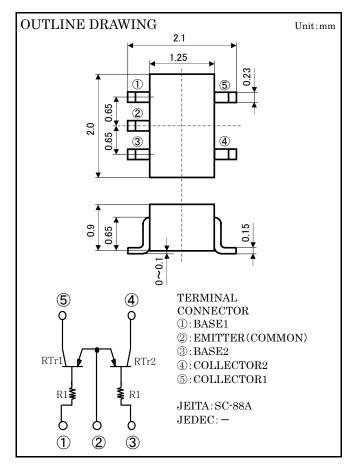
RT2P22M is composite transistor with built-in bias resistor.

### FEATURE

Built-in bias resistor (R1=22k $\Omega$ ) Mini package for easy mounting

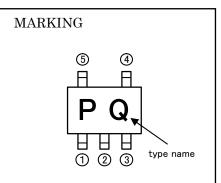
#### APPLICATION

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

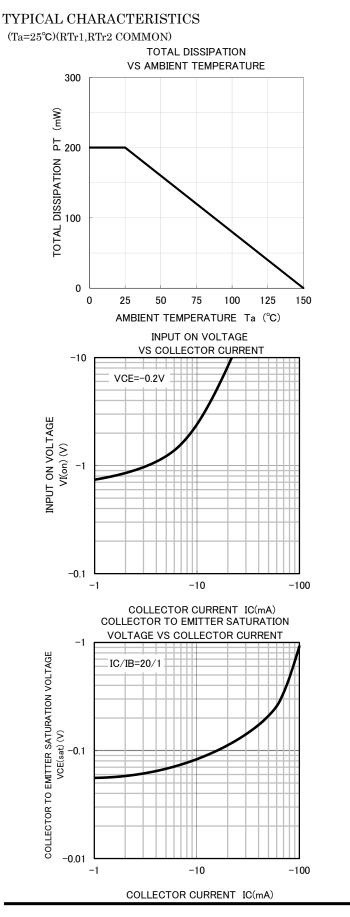


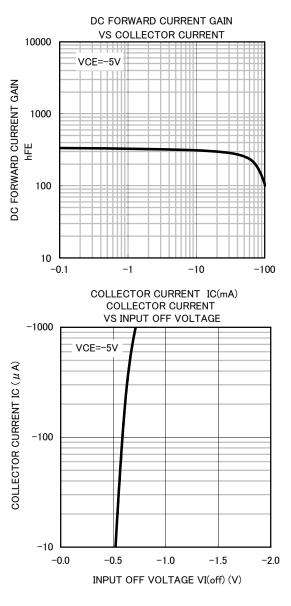
### ELECTRICAL CHARACTERISTICS(Ta=25°C)(RTr1, RTr2 COMMON)

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 <sub>E</sub> =0	—	—	-0.1	μA
IEBO	Emitter cut off current	$V_{EB}$ =-5V, I <sub>C</sub> =0	—	—	-0.1	μA
hfe	DC forward current gain	V <sub>CE</sub> =-5V, I <sub>C</sub> =-1mA	100	_	_	_
VCE(sat)	Collector to Emitter saturation voltage	$I_C$ =-10mA, $I_B$ =-0.5mA	—	—	-0.3	V
R1	Input resistor	—	15	22	29	kΩ
$f_{\mathrm{T}}$	Gain band width product	$V_{CE}$ =-6V, I <sub>E</sub> =10mA	_	150	_	MHz

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