

RT3P22M

Composite Transistor With Resistor
For Switching Application
Silicon Epitaxial Type

DESCRIPTION

RT3P22M is composite transistor built with two RT1P241 chips in SC-88 package.

FEATURE

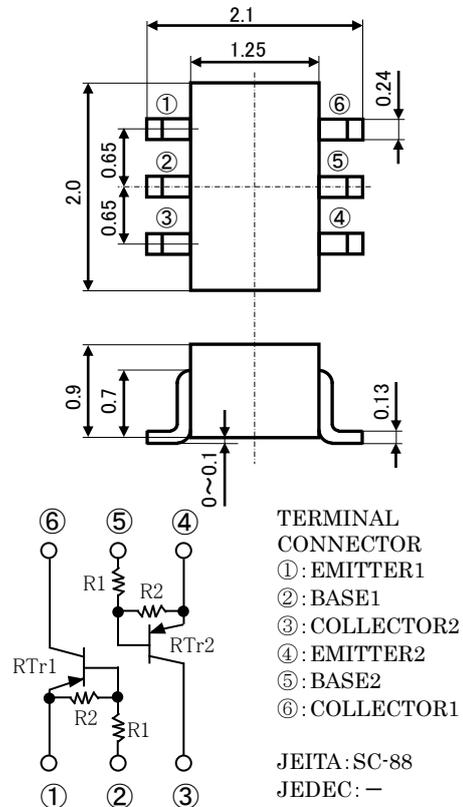
- Silicon epitaxial type
- Each transistor elements are independent.
- Mini package for easy mounting

APPLICATION

- Inverted circuit, Switching circuit,
- Interface circuit, Driver circuit

OUTLINE DRAWING

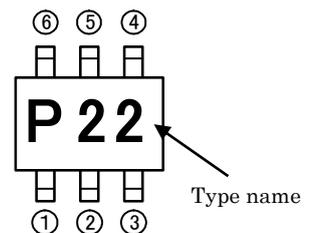
Unit:mm



MAXIMUM RATING(T_a=25°C)(R_{Tr1}, R_{Tr2} COMMON)

SYMBOL	PARAMETER	RATING	UNIT
V _{CB0}	Collector to Base voltage	-50	V
V _{EBO}	Emitter to Base voltage	-10	V
V _{CEO}	Collector to Emitter voltage	-50	V
V _{IN}	Input voltage	-40	V
I _C	Collector current	-100	mA
I _{CM}	Peak Collector current	-200	mA
P _T	Total dissipation	200	mW
T _j	Junction temperature	+150	°C
T _{stg}	Storage temperature	-55~+150	°C

MARKING



ELECTRICAL CHARACTERISTICS(T_a=25°C)(R_{Tr1}, R_{Tr2} COMMON)

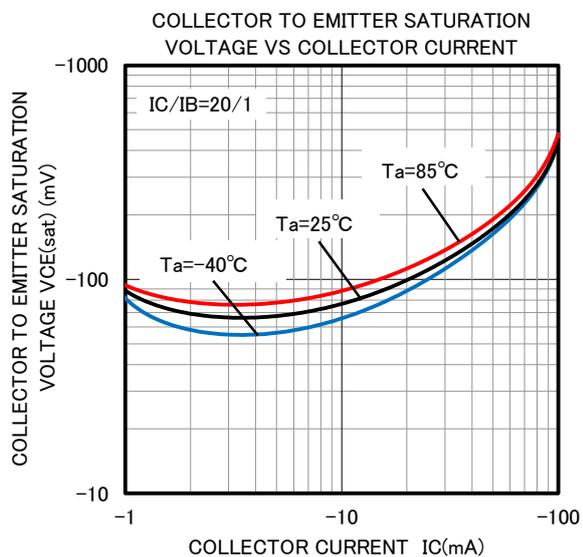
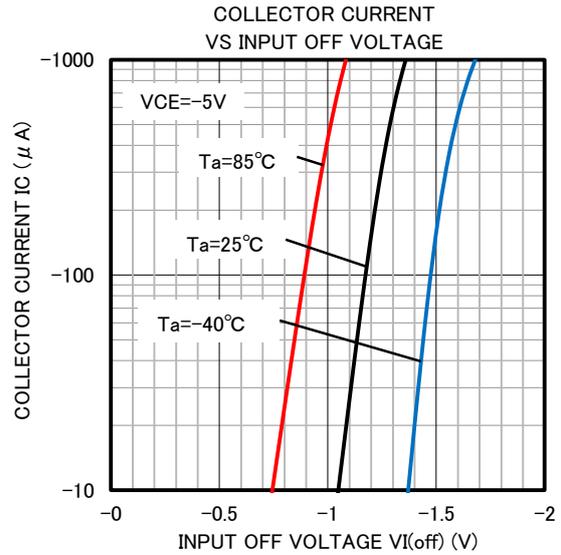
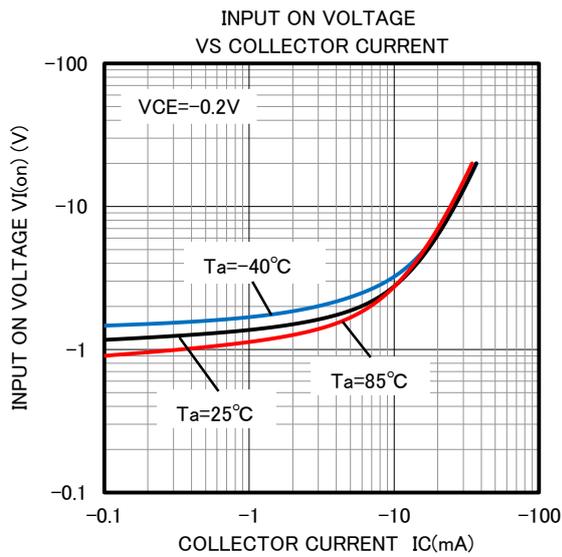
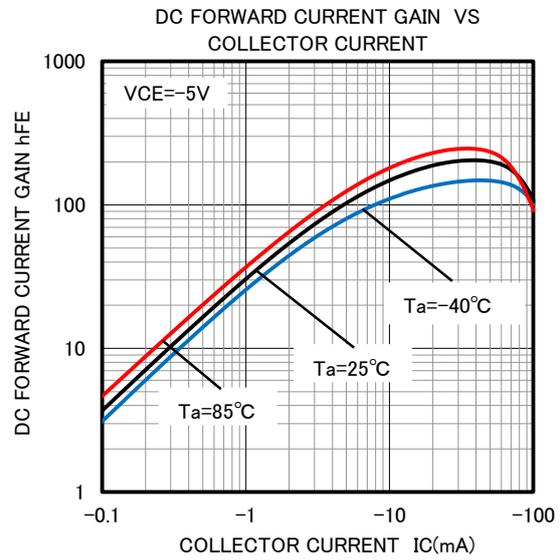
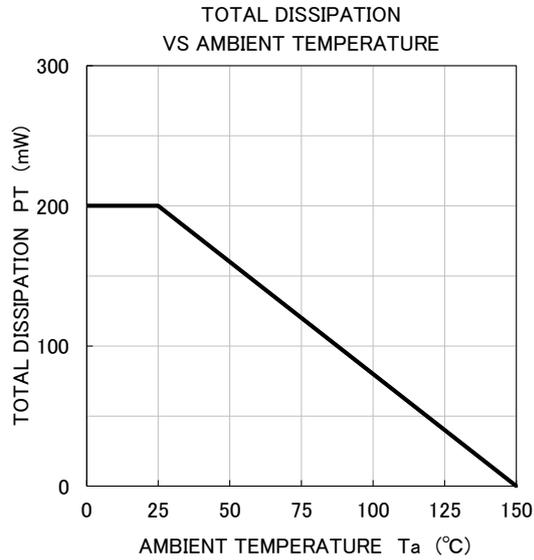
SYMBOL	PARAMETER	TEST CONDITIONS	LIMITS			UNIT
			MIN	TYP	MAX	
V _{(BR)CEO}	Collector to Emitter breakdown voltage	I _C =-100μA, R _{BE} =∞	-50	-	-	V
I _{CB0}	Collector cut off current	V _{CB} =-50V, I _E =0	-	-	-0.1	μA
I _{EBO}	Emitter cut off current	V _{EB} =-5V, I _C =0	-89	-113	-156	μA
h _{FE}	DC forward current gain	V _{CE} =-5V, I _C =-5mA	50	-	-	-
V _{CE(sat)}	Collector to Emitter saturation voltage	I _C =-10mA, I _B =-0.5mA	-	-0.1	-0.3	V
V _{I(ON)}	Input on voltage	V _{CE} =-0.2V, I _C =-5mA	-	-1.8	-3.0	V
V _{I(OFF)}	Input off voltage	V _{CE} =-5V, I _C =-100μA	-0.8	-1.1	-	V
R ₁	Input resistor	-	16	22	28	kΩ
R ₂ /R ₁	Resistor ratio	-	0.9	1.0	1.1	-
f _T	Gain band width product	V _{CE} =-6V, I _E =10mA	-	150	-	MHz

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Silicon Epitaxial Type

TYPICAL CHARACTERISTICS

(RTr1, RTr2 COMMON)



Keep safety first in your circuit designs!

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