RT3T22M

Composite Transistor With Resistor For Switching Application Silicon Epitaxial Type

DESCRIPTION

RT3T22M is a composite transistor built with RT1N241 chip and RT1P241 chip in SC-88 package.

FEATURE

Silicon epitaxial type

Each transistor elements are independent.

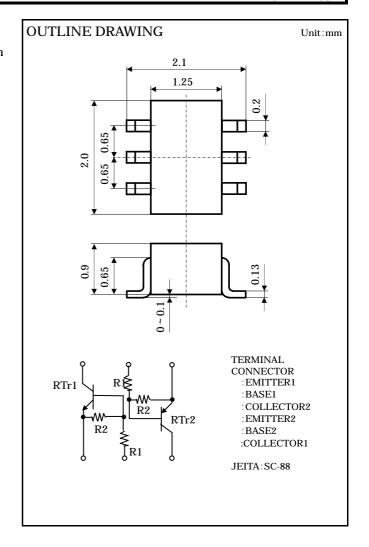
Mini package for easy mounting

APPLICATION

Inverted circuit, switching circuit,

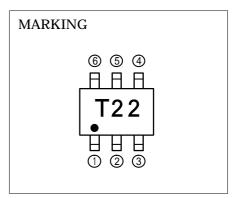
interface circuit, driver circuit

PNP built in transistor $\,$ of " - "sign is abbreviation.



MAXIMUM RATING (Ta=25)

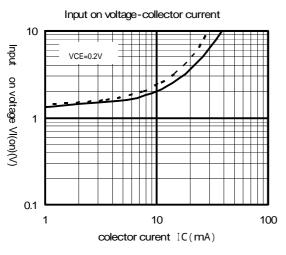
SYMBOL	PARAMETER	RATING	UNIT	
VCBO	Collector to Base voltage	50	V	
VEBO	Emitter to Base voltage	10	V	
VCEO	Collector to Emitter voltage	50	V	
Ic	Collector current	100	mA	
Icm	Peak Collector current	200	mA	
Pc	Collector dissipation(Total, Ta=25)	150	mW	
Tj	Junction temperature	+ 150		
Tstg	Storage temperature	-55 ~ + 150		

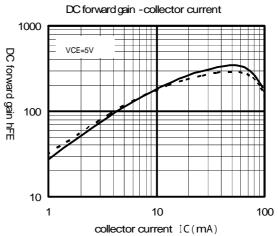


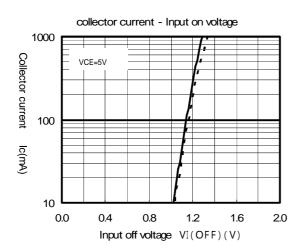
ELECTRICAL CHARACTERISTICS (Ta=25)

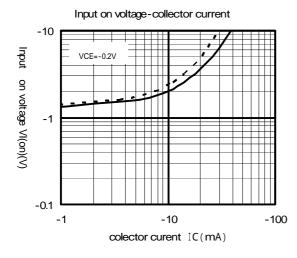
Symbol	Parameter	Test conditions	Limits			Unit
			Min	Тур	Max	Unit
V(BR)CEO	Collector to Emitter break down voltage	I _C =100 µ A,R _{BE} =	50	-	-	V
ICBO	Collector cut off current	$V_{CB} = 50V, I_E = 0$	-	-	0.1	μΑ
hFE	DC forward current gain	VCE=5V,IC=5mA	50	-	-	-
VCE(sat)	Collector to Emitter saturation voltage	IC=10mA,IB=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
VI(OFF)	Input off voltage	Vce=5V,Ic=100 µ A	0.8	1.1	-	V
R ₁	Input resistor	-	16	22	28	k
R ₂ /R ₁	Resistor ratio	-	0.9	1.0	1.1	-
fT	Gain band width product	VCE=6V,IE=-10mA	-	200	-	MHz

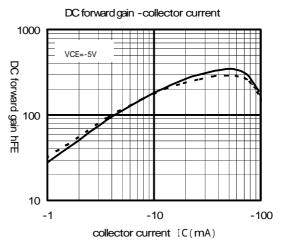
TYPICAL CHARACTERISTICS (Tr1)

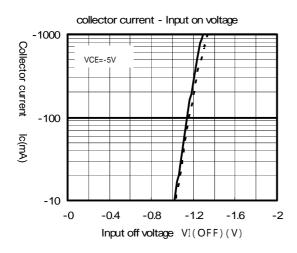














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