RT3T66M

Composite Transistor With Resistor For Switching Application Silicon Epitaxial Type

DESCRIPTION

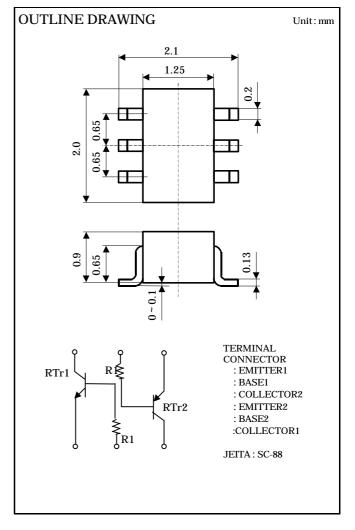
RT3T66M is a composite transistor built with RT1N430 chip and RT1P430 chip in SC-88 package.

FEATURE

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

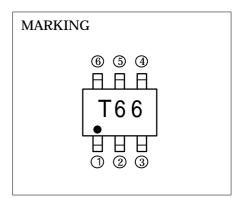
APPLICATION

Inverted circuit, switching circuit, interface circuit, driver circuit



MAXIMUM RATING (Ta=25)

SYMBOL	PARAMETER	RATING	UNIT
V _{CBO}	Collector to Base voltage	50	V
V _{EBO}	Emitter to Base voltage	6	V
V _{CEO}	Collector to Emitter voltage	50	V
I _C	Collector current	100	mA
I _{CM}	Peak Collector current	200	mA
P _C	Collector dissipation (Total, Ta= 25)	150	mW
Тį	Junction temperature	+ 150	
T _{stg}	Storage temperature	-55 ~ +150	
T _i	•		



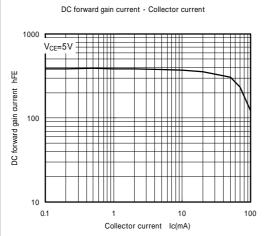
RT3T66M

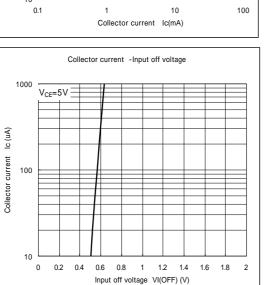
Composite Transistor With Resistor For Switching Application Silicon Epitaxial Type

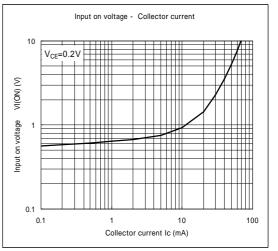
ELECTRICAL CHARACTERISTICS (Ta=25)

Symbol	Parameter	Test conditions	Limits			T 1
			Min	Тур	Max	Unit
V _{(BR)CEO}	Collector to Emitter break down voltage	I_{C} =-100 µ A,R _{BE} =	50	-	-	V
I _{CBO}	Collector cut off current	$V_{CB} = -50V, I_{E} = 0$	-	-	0.1	μA
h _{FE}	DC forward current gain	V_{CE} =-5V,I _C =-1mA	100	-	-	-
V _{CE(sat)}	Collector to Emitter saturation voltage	$I_C = -10 \text{mA}, I_B = -0.5 \text{mA}$	-	0.1	0.3	V
R ₁	Input resistor	-	3.3	4.7	6.1	k
f_{T}	Gain band width product	V_{CE} =-6V, I_{E} =10mA	-	150	-	MH _Z

TYPICAL CHARACTERISTICS









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