RT2N23M

COMPOSITE TRANSISTOR WITH RESISTOR FOR SWITCHING APPLICATION SILICON NPN EPITAXIAL TYPE

DESCRIPTION

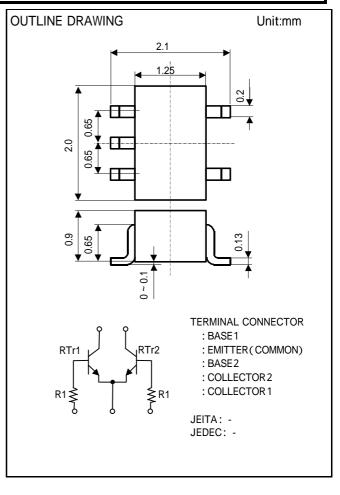
RT2N23M is a composite transistor with built-in bias resistor

FEATURE

Built-in bias resistor (R1=47 K) Mini package for easy mounting

APPLICATION

Inverted circuit , switching circuit , interface circuit , driver circuit



MAXIMUM RATINGS (Ta=25)(RTr1, RTr2)

Symbol	Parameter	Ratings	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
Ι _c	Collector current	100	mA
I _{CM}	Peak Collector current	200	mA
Pc	Collector dissipation (Total Ta=25)	150	mW
Tj	Junction temperature	+ 150	
T _{stg}	Storage temperature	-55 ~ +150	

MARKING			
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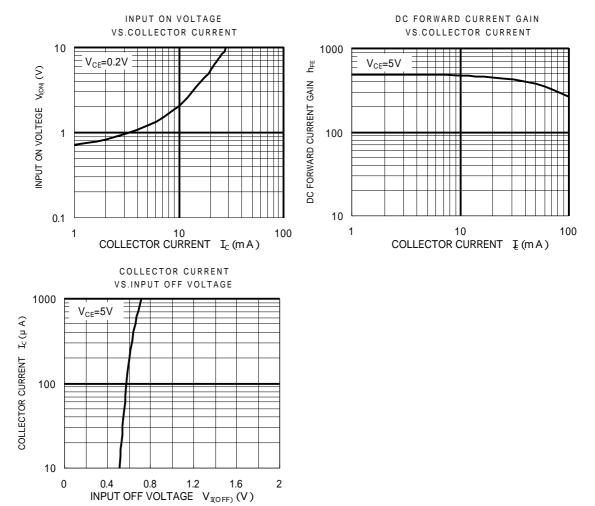
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ELECTRICAL CHARACTERISTICS (Ta=25)(RTr1, RTr2)

Symbol	Parameter		Limits			Unit
		Test conditions		Тур	Max	Unit
V _{(BR)CBO}	C to E 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=5mA	100	-	-	-
V _{CE(sat)}	C to E saturation voltage	I _c =10mA , I _B =0.5mA	-	0.1	0.3	V
R ₁	Input resistor		33	47	61	К
f _T	Gain band width product	V _{CE} =6V , I _E =-10mA		200		MHz

TYPICAL CHARACTERISTICS (Tr1, Tr2)





Marketing division, Marketing planning department

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