RT3P33M

Composite Transistor With Resistor For Switching Application Silicon Epitaxial Type

DESCRIPTION

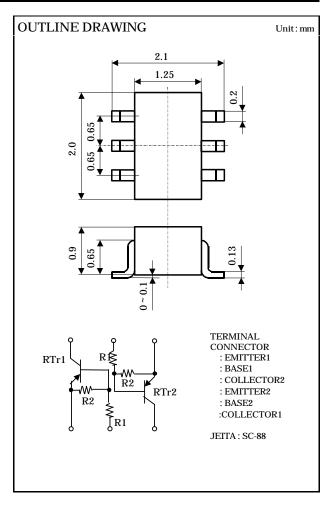
RT3P33M is a composite transistor built with RT1P441 chip and RT1P441 chip in SC-88 package.

FEATURE

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

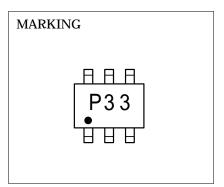
APPLICATION

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	-10	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		



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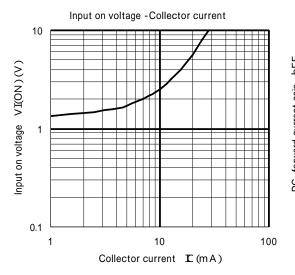
RT3P33M

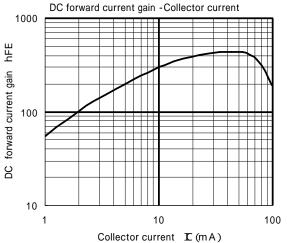
Composite Transistor With Resistor For Switching Application Silicon Epitaxial Type

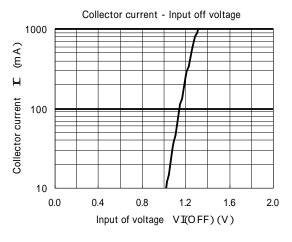
ELECTRICAL CHARACTERISTICS (Ta=25)

Symbol	Parameter	Test conditions	Limits			T T •.
			Min	Тур	Max	Unit
V _{(BR)CEO}	Collector to Emitter break down voltage	$I_{C}=100 \ \mu A, R_{BE}=$	-50	-	-	V
I _{CBO}	Collector cut off current	$V_{CB} = 50V, I_{E} = 0$	-	-	-0.1	μA
\mathbf{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	$V_{CE}=0.2V, I_{C}=5mA$	-	-2.3	-5.0	V
V _{I(OFF)}	Input off voltage	V_{CE} =5V,I _C =100 µ A	-0.8	-1.1	-	V
R ₁	Input resistor	-	33	47	61	k
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

TYPICAL CHARACTERISTICS







ISAHAYA ELECTRONICS CORPORATION



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