RT3P77M

Composite Transistor With Resistor For Switching Application Silicon Epitaxial Type

DESCRIPTION

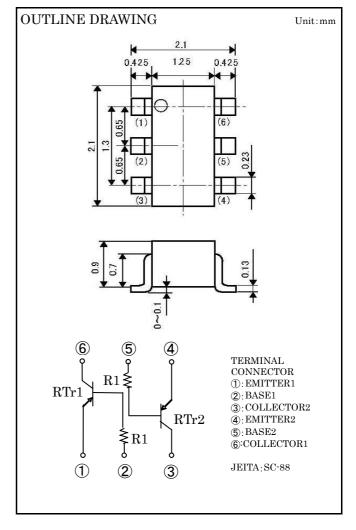
RT3P77M is compound transistor built with two RT1P140 chips in SC-88 package.

FEATURE

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

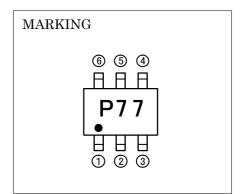
APPLICATION

Inverted circuit, switching circuit, interface circuit, driver circuit



MAXIMUM RATING (Ta=25°C) (RTr1, RTr2)

SYMBOL	PARAMETER	RATING	UNIT	
Vcbo	Collector to Base voltage	-50	V	
Vebo	Emitter to Base voltage	-6	V	
VCEO	Collector to Emitter voltage	-50	V	
IC	Collector current	-100	mA	
Ісм	Peak Collector current	-200	mA	
Pc	Collector dissipation(Total, Ta=25°C)	150	mW	
Tj	Junction temperature	+150	°C	
T_{stg}	Storage temperature	-55~+150	°C	



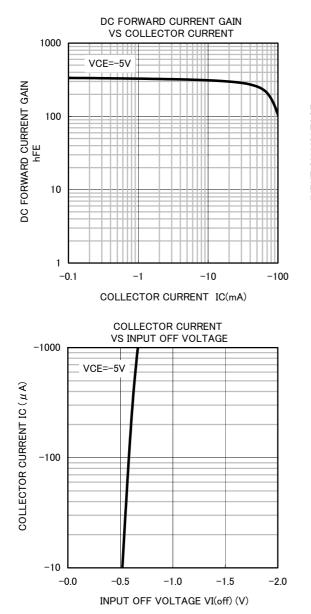
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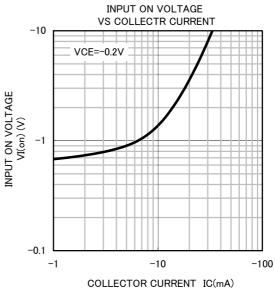
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ELECTRICAL CHARACTERISTICS (Ta=25°C) (RTr1, RTr2)

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
Ісво	Collector cut off current	$V_{\rm CB}\text{=-}50\text{V},~\text{I}$ $_{\rm E}$ =0	_	_	-0.1	μΑ
hfe	DC forward current gain	V _{CE} =-5V, I c=-1mA	100	_	—	-
VCE(sat)	Collector to Emitter saturation voltage	I c=-10mA, I _B =-0.5mA	—	-0.1	-0.3	V
\mathbf{R}_1	Input resistor		7	10	13	KΩ
\mathbf{f}_{T}	Gain band width product	V_{CE} =-6V, I _E =10mA	_	150	—	MHz

TYPICAL CHARACTERISTICS (RTr1,RTr2)







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