RT3P77M

Composite Transistor With Resistor For Switching Application Silicon Epitaxial Type

DESCRIPTION

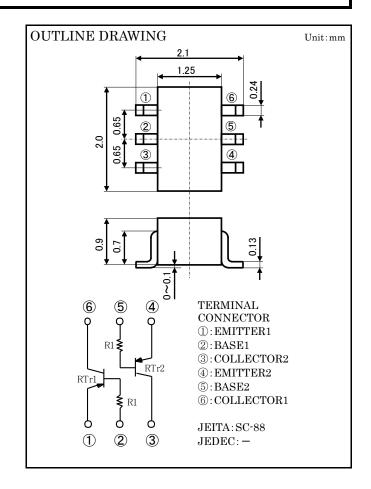
RT3P77M is composite transistor built with two RT1P140 chips in SC-88 package.

FEATURE

Built-in bias resistor (R1= $10k\Omega$) Mini package for easy mounting

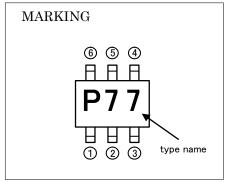
APPLICATION

Inverted circuit, Switching circuit, Interface circuit, Driver circuit



MAXIMUM RATING(Ta=25°C)(RTr1, RTr2 COMMON)

SYMBOL	PARAMETER	RATING	UNIT
Vcbo	Collector to Base voltage	-50	V
V_{EBO}	Emitter to Base voltage	-6	V
VCEO	Collector to Emitter voltage	-50	V
Ic	Collector current	-100	mA
I_{CM}	Peak Collector current	-200	mA
PT	Total dissipation	200	mW
$T_{\rm j}$	Junction temperature	+150	ပ္
T_{stg}	Storage temperature	-55~+150	ပ္



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

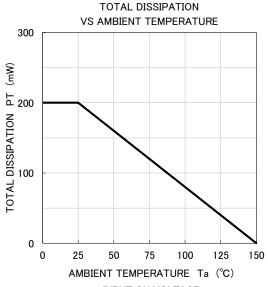
SYMBOL	PARAMETER	TEST CONDITIONS	LIMITS			UNIT
			MIN	TYP	MAX	UNII
V(BR)CEO	Collector to Emitter breakdown voltage	I_C =-100 μ A, R_{BE} = ∞	-50	_	_	V
Icbo	Collector cut off current	V_{CB} =-50V, I_{E} =0	_	_	-0.1	μΑ
I_{EBO}	Emitter cut off current	V _{EB} =-5V, I _C =0	_	_	-0.1	μΑ
hfe	DC forward current gain	V_{CE} =-5 V , I_{C} =-1 mA	100	_	_	_
VCE(sat)	Collector to Emitter saturation voltage	I _C =-10mA, I _B =-0.5mA	_	_	-0.3	V
R_1	Input resistor	_	7	10	13	kΩ
fT	Gain band width product	V _{CE} =-6V, I _E =10mA	_	150	_	MHz

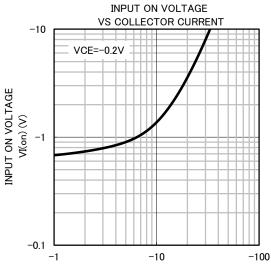
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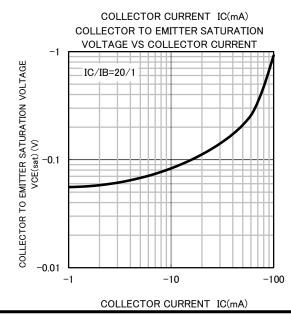
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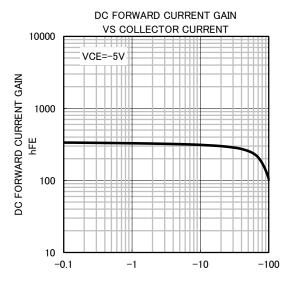
TYPICAL CHARACTERISTICS

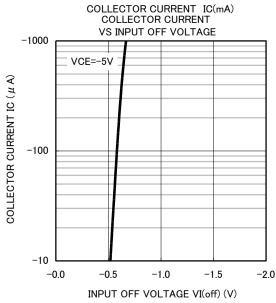
(Ta=25°C)(RTr1,RTr2 COMMON)











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