RT3N77M

Composite Transistor With Resistor For Switching Application Silicon Epitaxial Type

DESCRIPTION

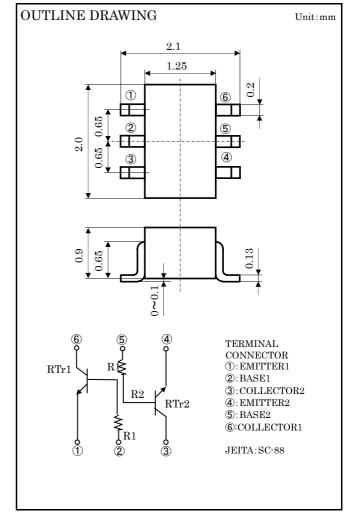
RT3N77M is a composite transistor built with RT1N140 chip and RT1N140 chip in SC-88 package.

FEATURE

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

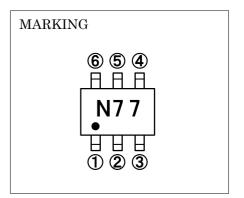
APPLICATION

Inverted circuit, switching circuit, interface circuit, driver circuit



MAXIMUM RATING (Ta=25°C)

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
ICM	Peak Collector current	200	mA
Pc	Collector dissipation(Total, Ta=25°C)	150	mW
Tj	Junction temperature	+150	°C
$T_{\rm stg}$	Storage temperature	-55~+150	°C



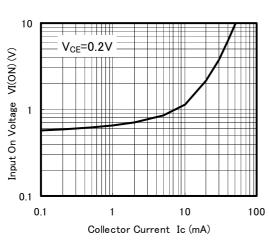
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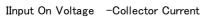
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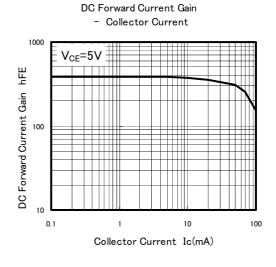
ELECTRICAL CHARACTERISTICS (Ta=25°C)

Symbol	Parameter	Test conditions	Limits			Unit
			Min	Тур	Max	Omt
V(BR)CEO	Collector to Emitter break down voltage	Ic=100 μ A,RBE= ∞	50	-	-	V
Ісво	Collector cut off current	V _{CB} =50V,I _E =0	-	-	0.1	μA
hfe	DC forward current gain	VCE=5V,IC=1mA	100	-	-	-
VCE(sat)	Collector to Emitter saturation voltage	Ic=10mA,IB=0.5mA	-	0.1	0.3	V
R1	Input resistor	-	7.0	10	13	kΩ
fT	Gain band width product	VCE=6V,IE=-10mA	-	200	-	MHz

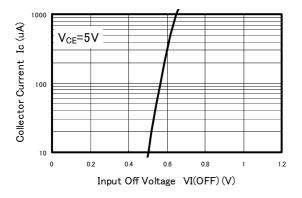
TYPICAL CHARACTERISTICS







Collector Current - Input Off Voltage



ISAHAYA ELECTRONICS CORPORATION



Marketing division, Marketing planning department

6-41 Tsukuba, Isahaya, Nagasaki, 854-0065 Japan

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