RT3NFFM

Composite Transistor With Resistor For Switching Application Silicon Epitaxial Type

DESCRIPTION

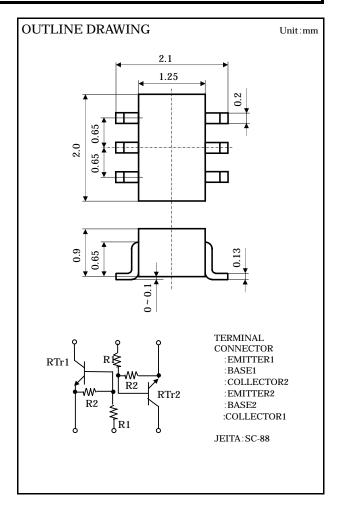
RT3NFFM is a composite transistor built with RT1N431 chip and RT1N431 chip in SC-88 package.

FEATURE

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

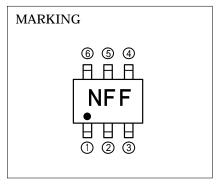
APPLICATION

Inverted circuit, switching circuit, interface circuit, driver circuit



MAXIMUM RATING (Ta=25)

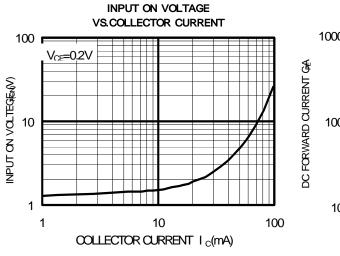
SYMBOL	PARAMETER	RATING	UNIT	
Vcbo	Collector to Base voltage	50	V	
VEBO	Emitter to Base voltage	10	V	
VCEO	Collector to Emitter voltage	50	V	
Ic	Collector current	100	mA	
Icm	Peak Collector current	200	mA	
PC	Collector dissipation (Total, Ta=25)	150	mW	
Tj	Junction temperature	+ 150		
Tstg	Storage temperature	-55 ~ + 150		

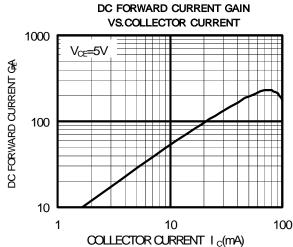


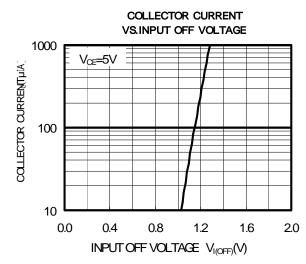
ELECTRICAL CHARACTERISTICS (Ta=25)

Symbol	Parameter	Test conditions	Limits			Unit
			Min	Тур	Max	Unit
V(BR)CEO	Collector to Emitter break down voltage	Ic=100 µ A,R _{BE} =	50	-	-	V
Ісво	Collector cut off current	V _{CB} =50V,I _E =0	-	-	0.1	μА
hFE	DC forward current gain	VCE=5V,IC=10mA	20	-	-	-
VCE(sat)	Collector to Emitter saturation voltage	I _C =10mA,I _B =0.5mA	-	0.1	0.3	V
VI(ON)	Input on voltage	VCE=0.2V,IC=5mA	-	1.4	2.3	V
VI(OFF)	Input off voltage	VCE=5V,IC=100 μ A	0.8	1.1	-	V
R ₁	Input resistor	-	3.3	4.7	6.1	k
R2/R1	Resistor ratio	-	0.8	1.0	1.2	-
fT	Gain band width product	VCE=6V,IE=-10mA	-	200	-	MHz

TYPICAL CHARACTERISTICS







ISAHAYA ELECTRONICS CORPORATION



Marketing division, Marketing planning department

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