RTE13LFM

Composite Transistor Zener Diode Silicon NPN Epitaxial Type

DESCRIPTION

RTE13LFM is compound transistor built with 2SC3052 chip and 8.2V Zener diode in SC-88 package.

FEATURE

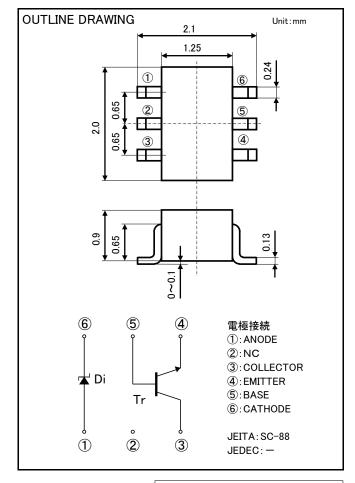
Silicon epitaxial type

Each transistor elements are independent.

Mini package for easy mounting

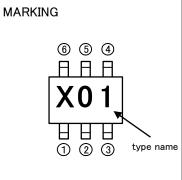
APPLICATION

Power supply circuit, Driver circuit, etc



MAXIMUM RATING(Ta=25°C)

SYMBOL	PARAMETER	F	UNIT	
Vcво	Collector to Base voltage		50	V
VCEO	Collector to Emitter voltage	Tr	50	V
VEBO	Emitter to Base voltage	l Ir	V	
I c	Collector current		200	mA
P⊤	Total power dissipation (Ta=25°C)	Tr	150	mW
Tj	Junction temperature	Di +150		°C
T_{stg}	Storage temperature	Common	°C	



ELECTRICAL CHARACTERISTICS (Ta=25°C)

[Tr]

SYMBOL	DARAMETER	TECT CONDITIONS	LIMITS			LINIT
	PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT
V(BR)CEO	Collector to Emitter breakdown voltage	Ic=100μA, R _{BE} =∞	50	-	-	V
Ісво	Collector cut off current	Vcb=50V, IE=0A	-	-	0.1	μA
І ЕВО	Emitter cut off current	V _{EB} =6V, I _C =0A	-	-	0.1	μA
hfe	DC forward current gain	VcE=6V, Ic=1mA	250	-	500	-
hfe	DC forward current gain	VcE=6V, Ic=0.1mA	90	-	-	-
VCE(sat)	Collector to Emitter saturation voltage	Ic=100mA, I _B =10mA	-	-	0.3	V
fт	Gain band width product	Vce=6V, I _E =-10mA	_	200	_	MHz
Cob	Collector output capacitance	V _{CB} =6V, I _E =0A, f=1MHz	_	2.5	_	pF

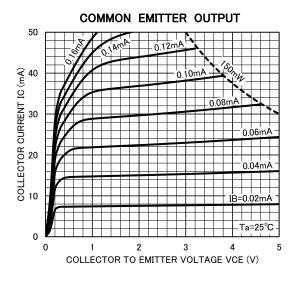
[Di]

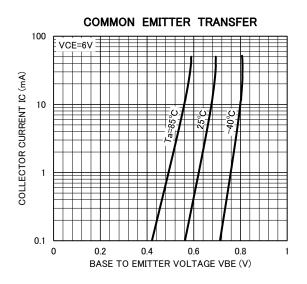
•	Zener voltage Vz(V)			Reverse current IR(µA)		
	MIN	MAX	Iz(mA)	MAX	V _R (V)	
	7.790	8.610	5	0.5	6.5	

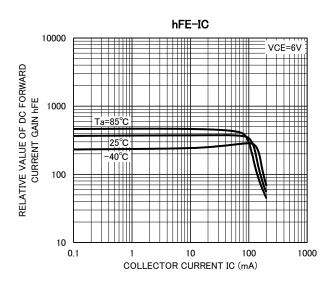
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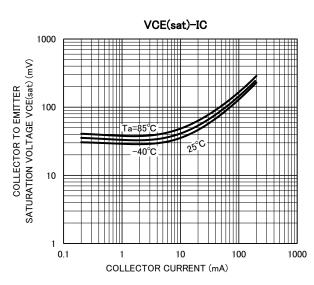
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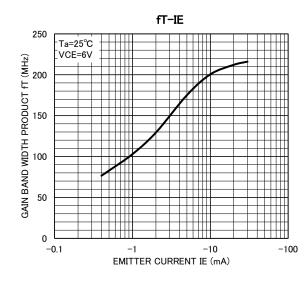
[Tr]TYPICAL CHARACTERISTICS

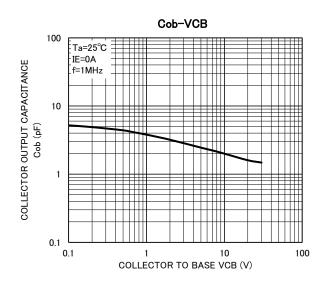








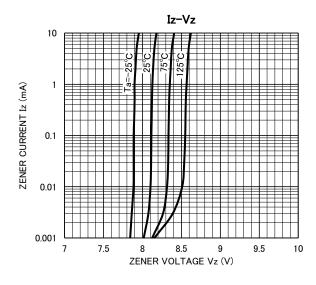


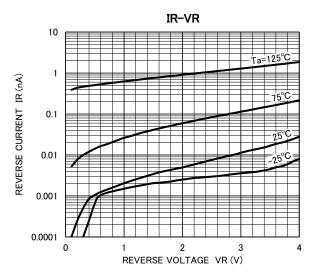


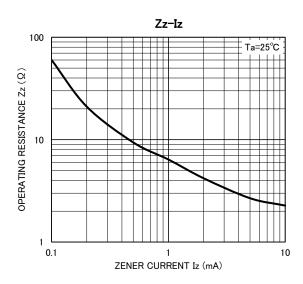
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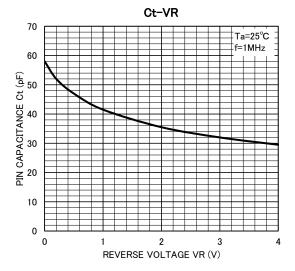
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[Di]TYPICAL CHARACTERISTICS









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