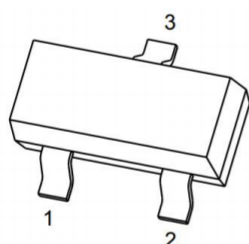


Features

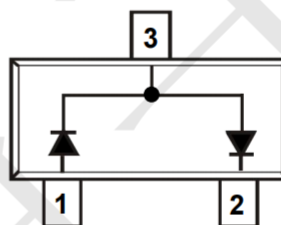
- Repetitive peak forward current
- High switching speed
- Continuous reverse voltage
- Repetitive peak reverse voltage



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Applications

- High-speed switching
- General-purpose switching
- Polarity protection application
- Freewheeling diodes
- Voltage protector



Absolute Maximum Ratings (TA=25°C unless otherwise specified)

Parameter	Symbol	Value	Unit
Non-Repetitive Peak Reverse Voltage	VRM	20	V
Power Dissipation	PD	200	mW
Average Forward Current	IO	100	mA
Forward Continuous Current	IFM	100	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	IFSM	2.0	A
Operating Junction and Storage Temperature Range	TJ, TSTG	-55~+150	°C
Thermal Resistance from Junction to Ambient	RθJA	625	°C/W

Electrical Characteristics (TA=25°C unless otherwise specified)

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward Voltage	VF	IF = 10mA	--	--	1.00	V
Maximum Peak Reverse Current	IR	VR = 15V	--	--	0.1	uA

Note 1: The data tested by surface mounted on a 18mm * 15mm * 1mm FR4-epoxy P.C.B

Typical Electrical Characteristic Curves

Fig. 1 - Typical Instantaneous Forward Characteristics

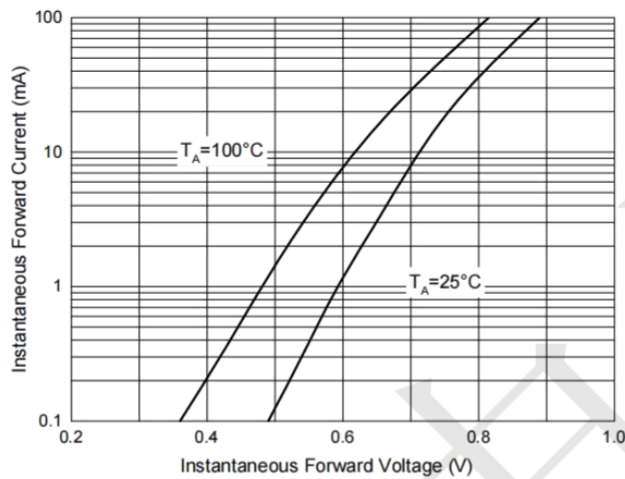


Fig. 2 - Typical Reverse Leakage Characteristics

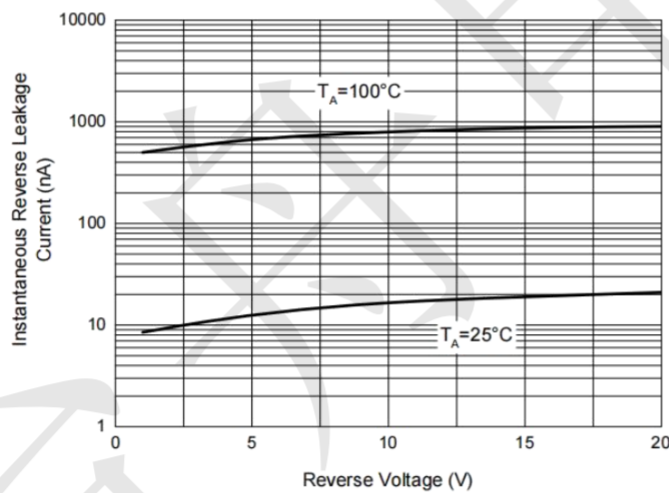
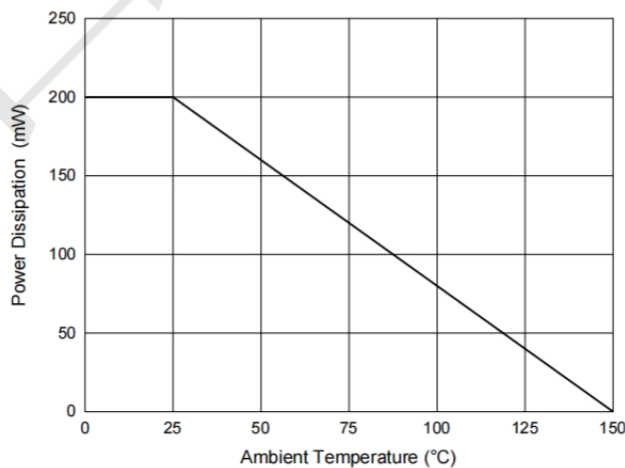
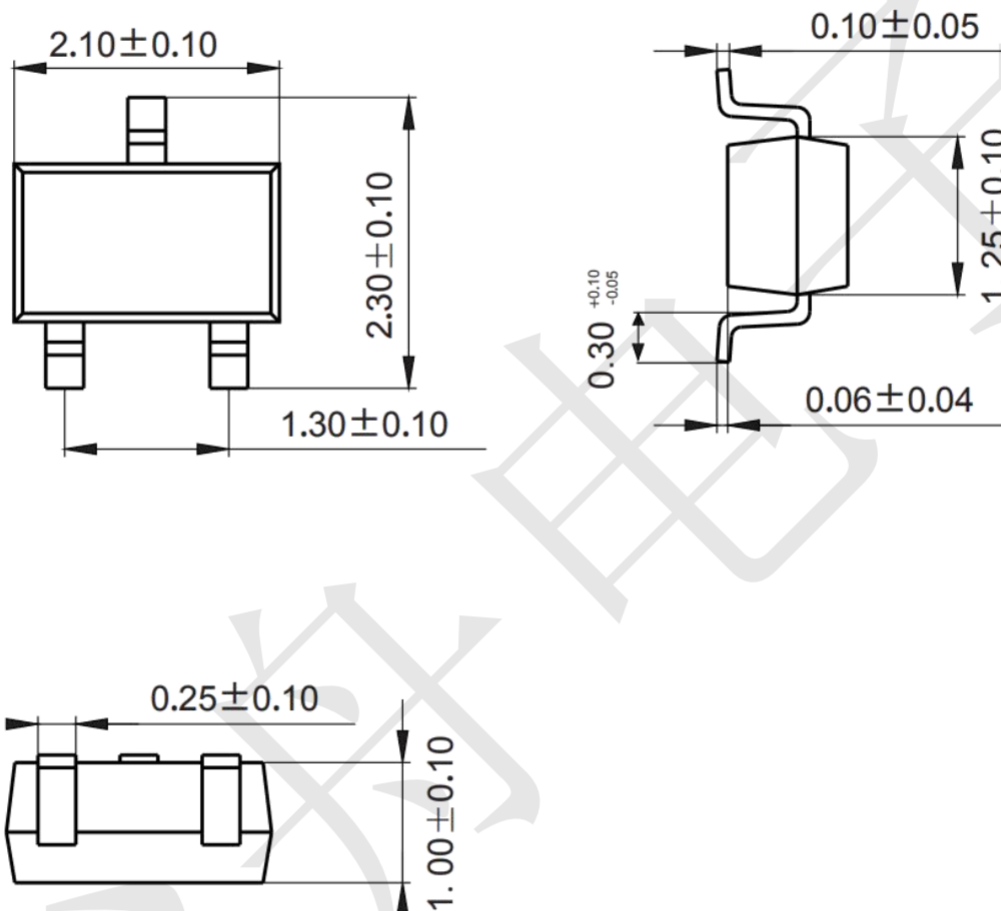


Fig. 3 - Power Derating Curve



Package Outline Dimensions (unit: mm)

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Mounting Pad Layout (unit: mm)

