

Panasonic

Fast Recovery Diode
DA2JF8100L

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Silicon epitaxial planar type

For high speed switching circuits

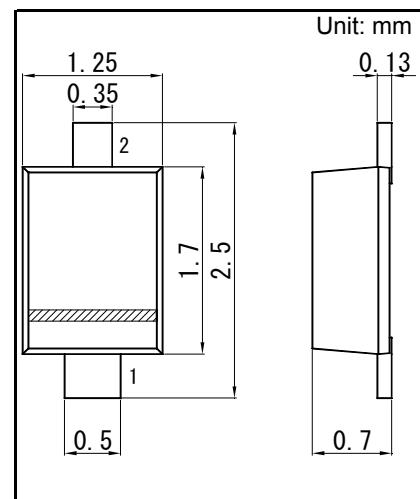
■ Features

- Small reverse current IR
- High repetitive peak reverse voltage VRRM
- Halogen-free / RoHS compliant
(EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

■ Marking Symbol: 5A

■ Packaging

Embossed type (Thermo-compression sealing) : 3 000 pcs / reel (standard)



Panasonic	SMini2-F5-B
JEITA	SC-90A
Code	—

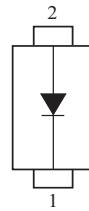
■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Repetitive peak reverse voltage	VRRM	800	V
Non-repetitive peak reverse voltage	VRSM	800	V
Forward current	IF	200	mA
Non-repetitive peak forward surge current ^{*1,2}	IFSM	1	A
Junction temperature	T _j	-40 to +150	°C
Operating ambient temperature	T _{opr}	-40 to +85	°C
Storage temperature	T _{stg}	-40 to +150	°C

Note) *1 Mounted on an alumina PC board

*2 50 Hz sine wave 1 cycle (Non-repetitive peak current)

Internal Connection



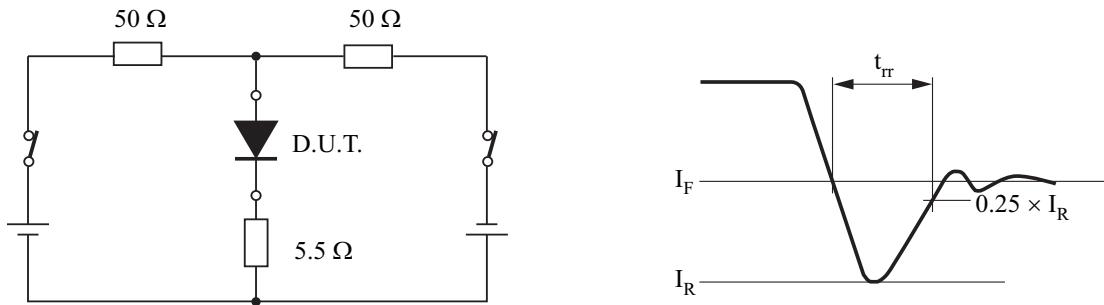
■ Electrical Characteristics $T_a = 25 \text{ }^{\circ}\text{C} \pm 3 \text{ }^{\circ}\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 200 mA			2.5	V
Reverse current	IRRM1	VRMM = 400 V			1	μA
	IRRM2	VRMM = 800 V			10	μA
Terminal capacitance	Ct	VR = 0 V, f = 1 MHz		0.6		pF
Reverse recovery time ¹	trr	IF = 100 mA, IR = 200mA Irr = 0.25 x IR		10	45	ns

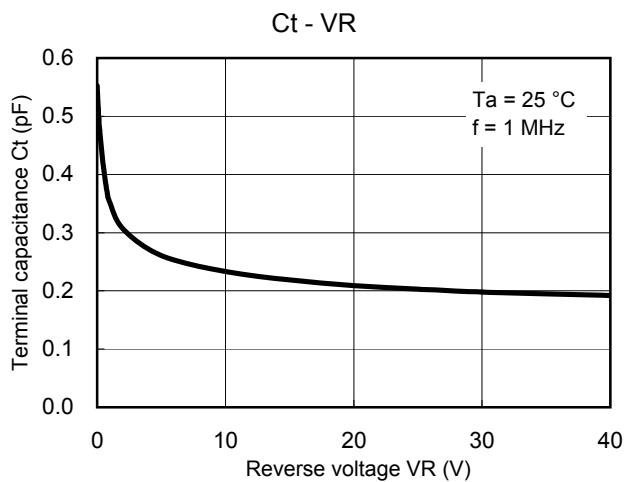
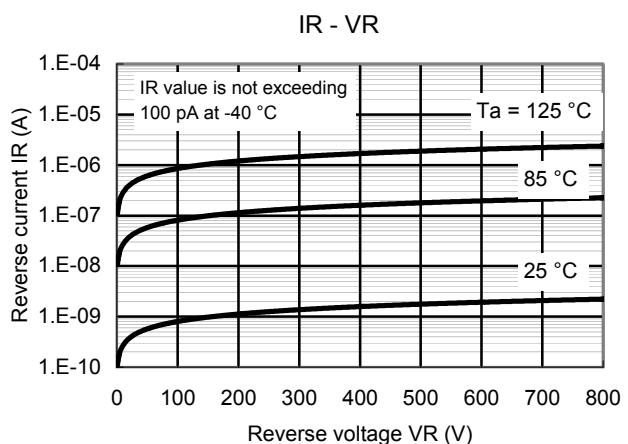
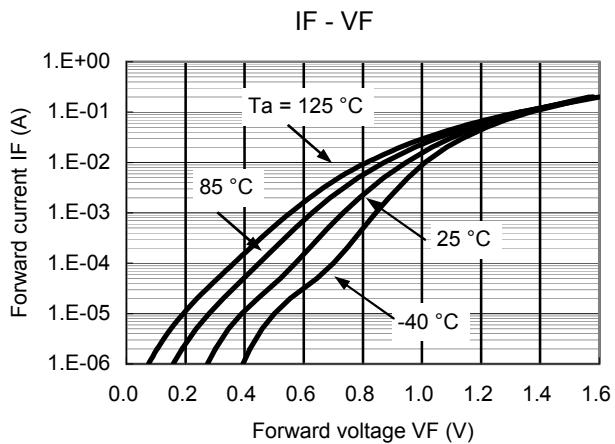
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

3. ¹ trr measurement circuit



Technical Data (reference)

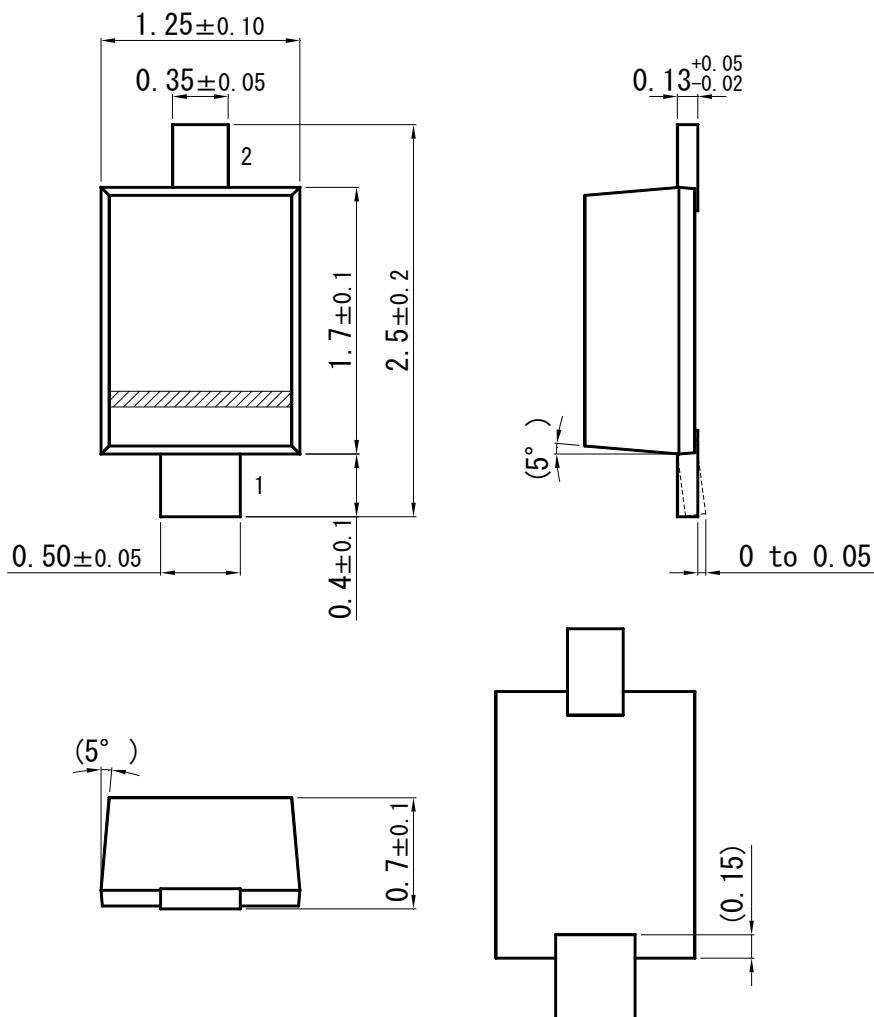


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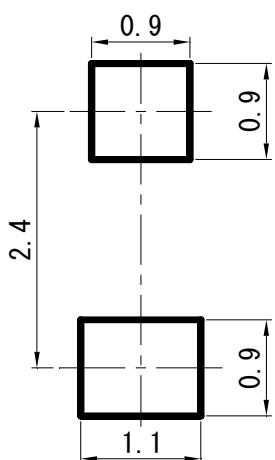
Fast Recovery Diode
DA2JF8100L

SMini2-F5-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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