



Fast Recovery Diode  
DA22F2100L

## DA22F2100L

Silicon epitaxial planar type

For high speed switching circuits

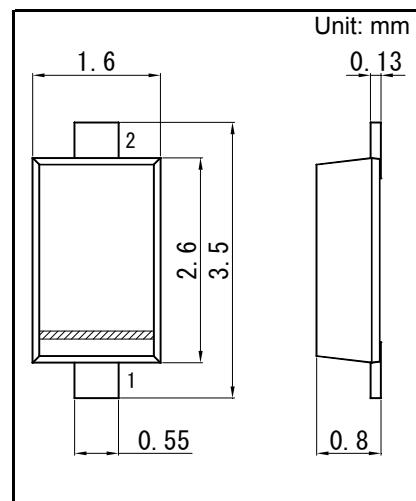
### ■ Features

- Small reverse current IR
- Short reverse recovery time trr
- Halogen-free / RoHS compliant  
(EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

### ■ Marking Symbol: 3Q

### ■ Packaging

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



1. Cathode
2. Anode

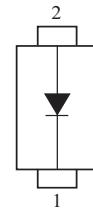
Panasonic	Mini2-F4-B
JEITA	SC-109D
Code	SOD-123

### ■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Repetitive peak reverse voltage	VRM	200	V
Non-repetitive peak reverse surge voltage	VRSM	200	V
Forward current	IF	1.0	A
Non-repetitive peak forward surge current <sup>1</sup>	IFSM	15	A
Junction temperature	T <sub>j</sub>	-40 to +150	°C
Operating ambient temperature	T <sub>opr</sub>	-40 to +85	°C
Storage temperature	T <sub>stg</sub>	-40 to +150	°C

Note) <sup>1</sup>: 50 Hz sine wave 1 cycle (Non-repetitive peak current)

### Internal Connection





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

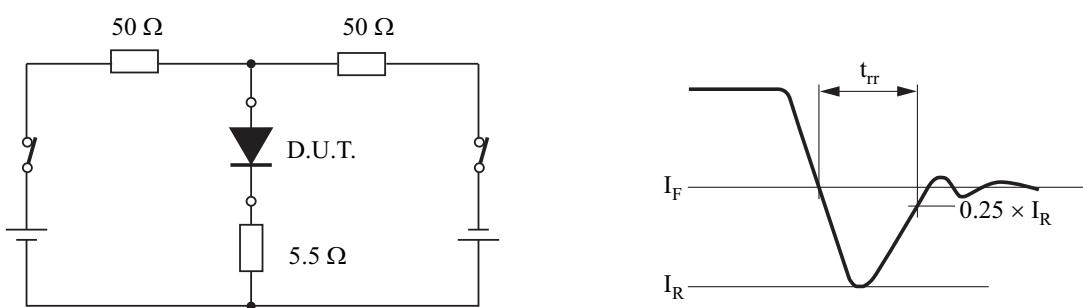
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 1.0 A			0.98	V
Reverse current	IRRM	VRMM = 200 V			10	$\mu\text{A}$
Terminal capacitance	Ct	VR = 0 V, f = 1 MHz		60		pF
Reverse recovery time <sup>1</sup>	trr	IF = 0.5 A, IR = 1 A Irr = 0.25 x IR			35	ns

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

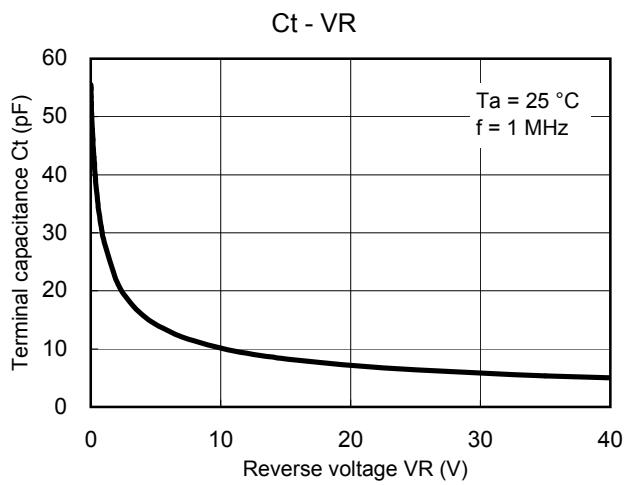
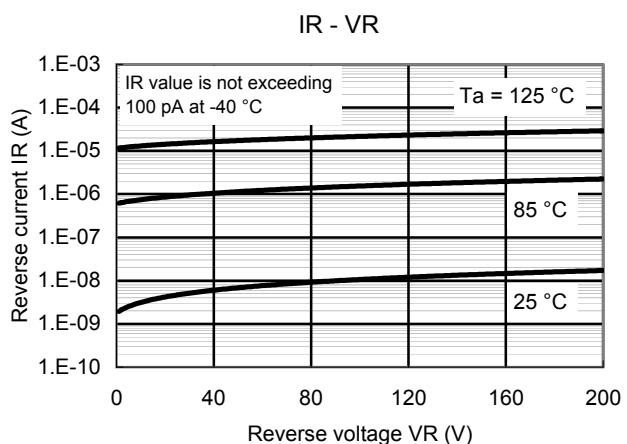
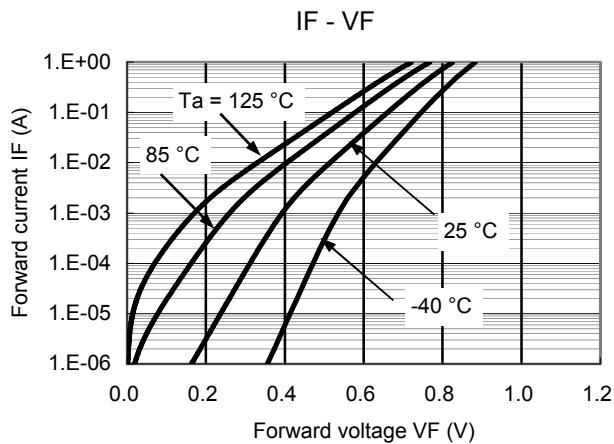
2. This product is sensitive to electric shock (static electricity, etc.).

Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

3. \*1: trr test circuit



Technical Data ( reference )

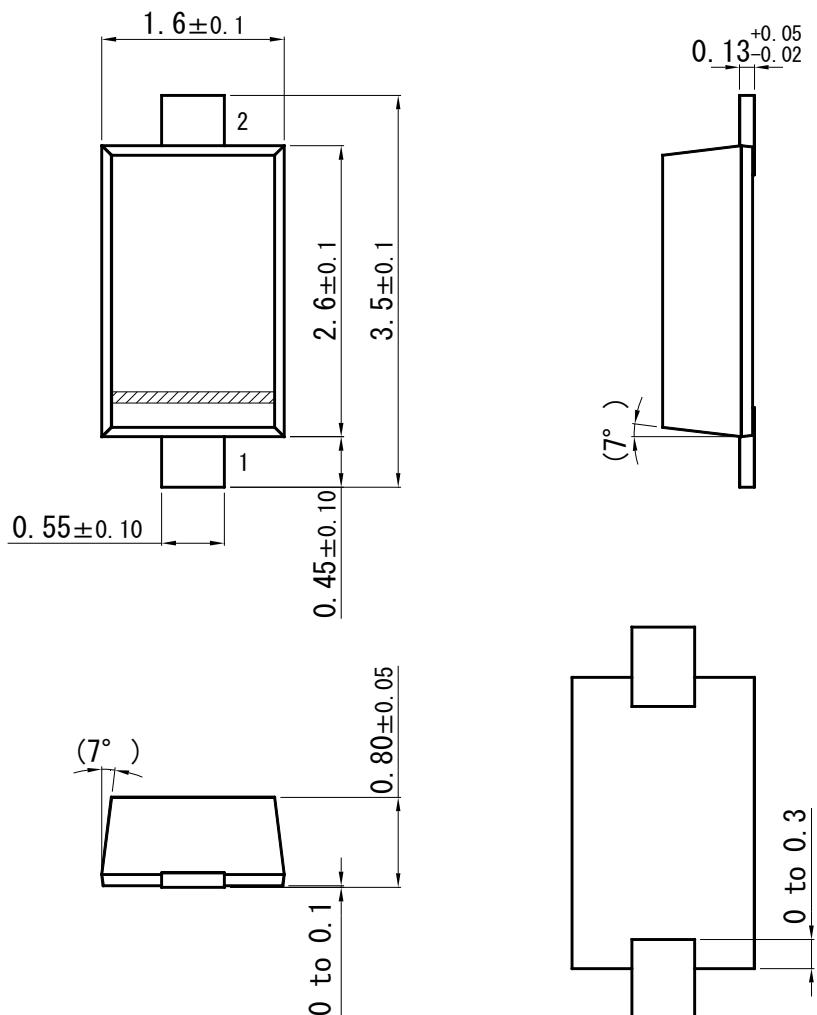


**Panasonic**

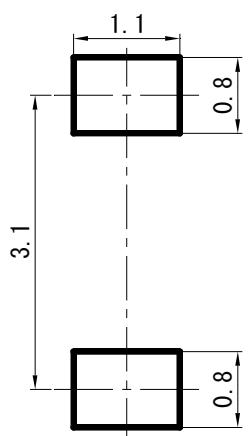
Fast Recovery Diode  
**DA22F2100L**

**Mini2-F4-B**

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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