



# DA2JF8100L

## 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

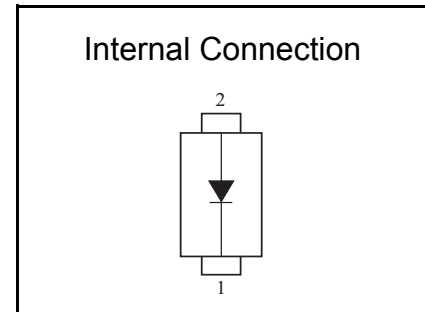
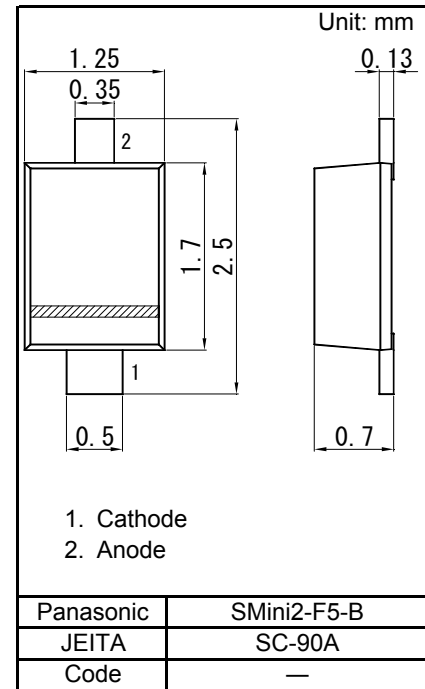
Embossed type (Thermo-compression sealing) : 3 000 pcs / reel (standard)

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

Parameter	Symbol	Rating	Unit
Repetitive peak reverse voltage	VRRM	800	V
Non-repetitive peak peak reverse voltage	VRSM	800	V
Forward current	IF	200	mA
Non-repetitive peak forward surge current <sup>*1,2</sup>	IFSM	1	A
Junction temperature	Tj	-40 to +150	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-40 to +150	°C

Note) \*1 Mounted on an alumina PC board

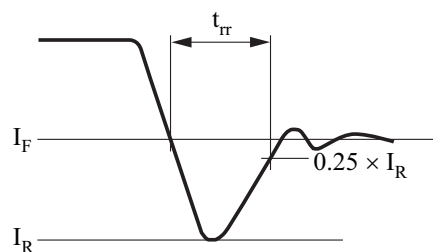
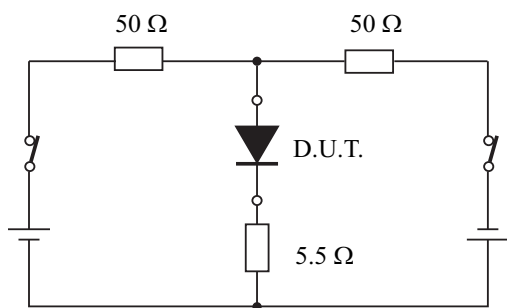
\*2 50 Hz sine wave 1 cycle ( Non-repetitive peak current )



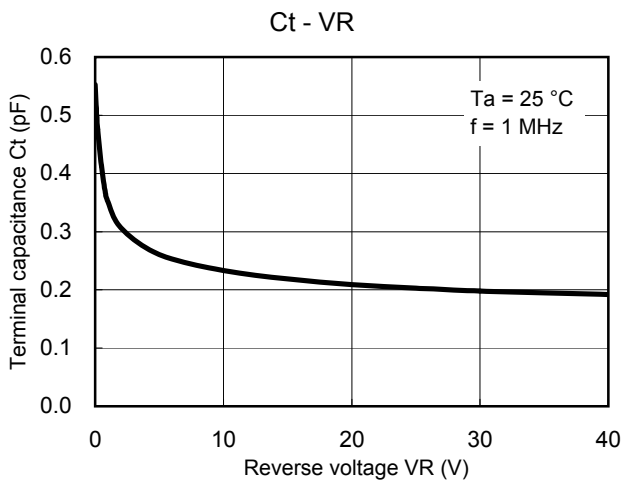
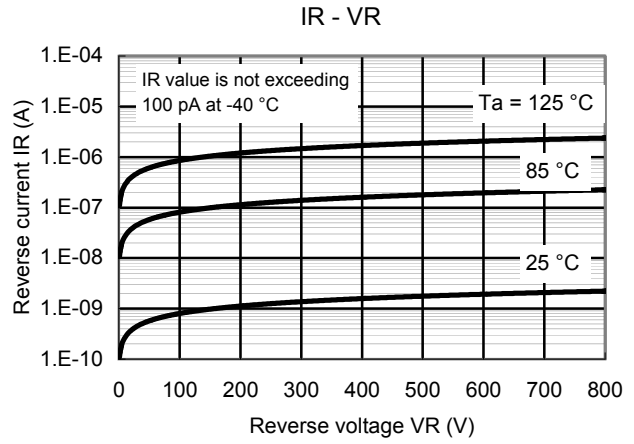
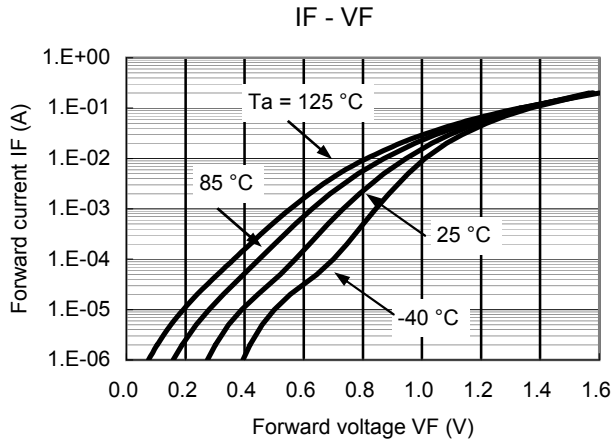
■ Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 200 mA			2.5	V
Reverse current	IRRM1	VRRM = 400 V			1	μA
	IRRM2	VRRM = 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



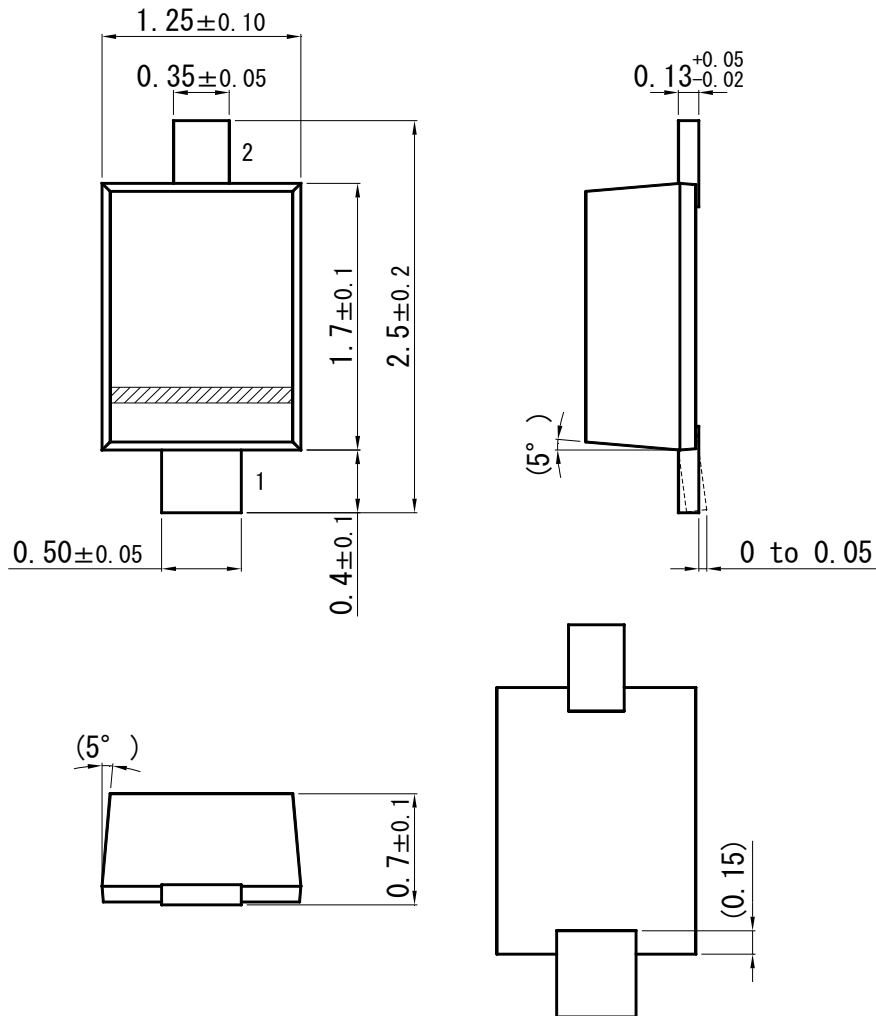
Technical Data ( reference )



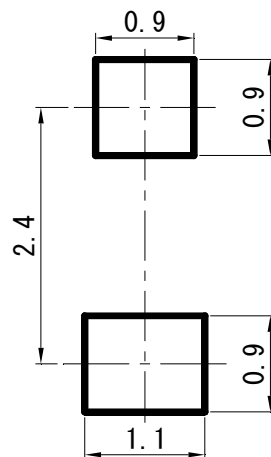


### SMini2-F5-B

Unit: mm



#### ■ Land Pattern (Reference) (Unit: mm)



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