

DA2JF8100L

Fast Recovery Diode DA2JF8100L

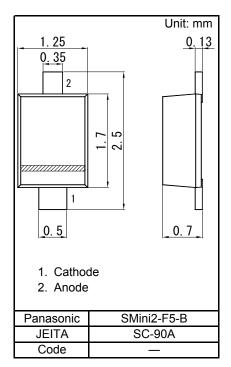
Silicon epitaxial planar type

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)



Unit V V Internal Connection MA 2 MA 2 A 2 S0 °C S0 °C

■ 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 *1,2	IFSM	1	А
Junction temperature	Tj	-40 to +150	°C
Operating ambient temperature	Topr	-40 to +85	С°
Storage temperature	Tstg	-40 to +150	С°

Note) *1 Mounted on an alumina PC board

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Revised

: 2013-05-31

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

Panasonic

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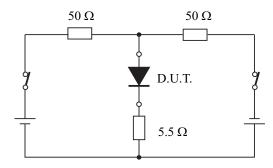
■ Electrical Characteristics Ta = 25 °C ± 3 °C

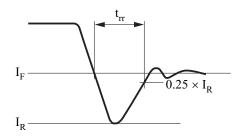
Parameter	Symbol	Conditions	Min	Тур	Max	Unit	
Forward voltage	VF	IF = 200 mA			2.5	V	
Reverse current	IRRM1	VRRM = 400 V			1	μA	
	IRRM2	VRRM = 800 V			10	μA	
Terminal capacitance	Ct	VR = 0 V, f = 1 MHz		0.6		pF	
Reverse recovery time ^{*1}	trr	IF = 100 mA, IR = 200mA		10	45	ns	
	u	Irr = 0.25 x IR			45		

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

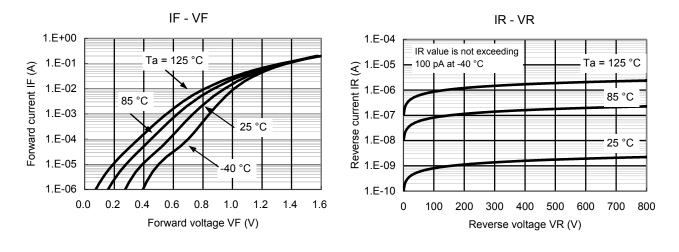


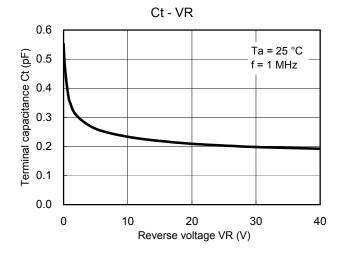




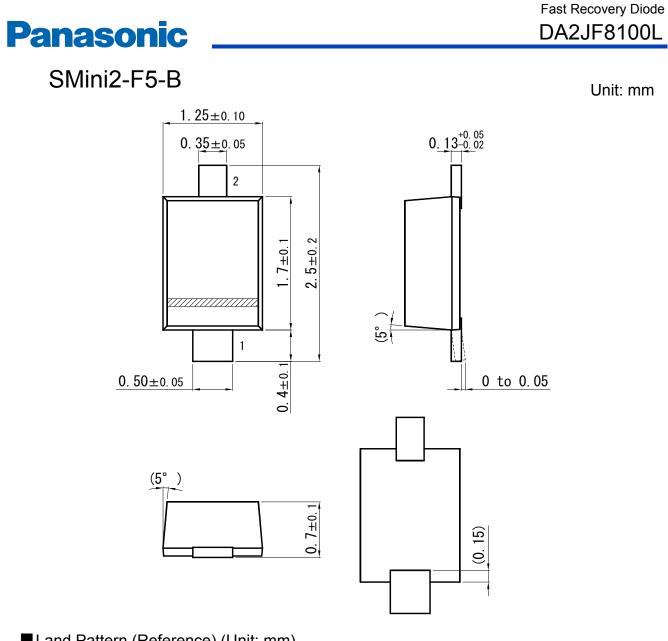
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Technical Data (reference)

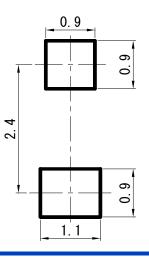




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Land Pattern (Reference) (Unit: mm)



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Established : 2009-10-23 Revised : 2013-05-31

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