

Schottky Barrier Diode DB2J50100L

DB2J50100L Silicon epitaxial planar type

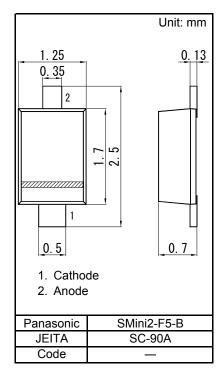
For high speed switching circuits

- Features
- Short reverse recovery time trr
- Low terminal capacitance Ct
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

Marking Symbol: BC

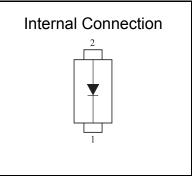
#### Packaging

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



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

0							
Parameter	Symbol	Rating	Unit				
Reverse voltage	VR	50	V				
Repetitive peak reverse voltage	VRRM	50	V				
Forward current (Average)	IF (AV)	200	mA				
Peak forward current	IFM	300	mA				
Non-repetitive peak forward surge current *1	IFSM	1	А				
Junction temperature	Tj	125	°C				
Operating ambient temperature	Topr	-40 to +85	°C				
Storage temperature	Tstg	-55 to +125	°C				
No. 1 50 France Views di evelo (Nen repetitive reals evenent.)							



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

## **Panasonic**

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

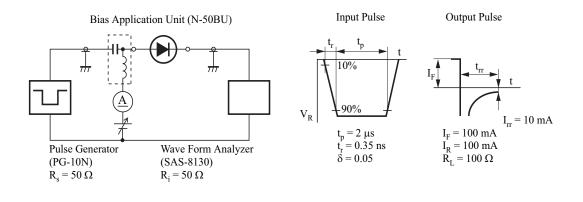
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF1	IF = 30 mA			0.36	V
	VF2	IF = 200 mA			0.55	
Reverse current	IR	VR = 50 V			200	μA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		4		pF
Reverse recovery time <sup>*1</sup>	Trr	IF = IR = 100 mA, Irr = 10 mA RL = 100 Ω		1.6		ns

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

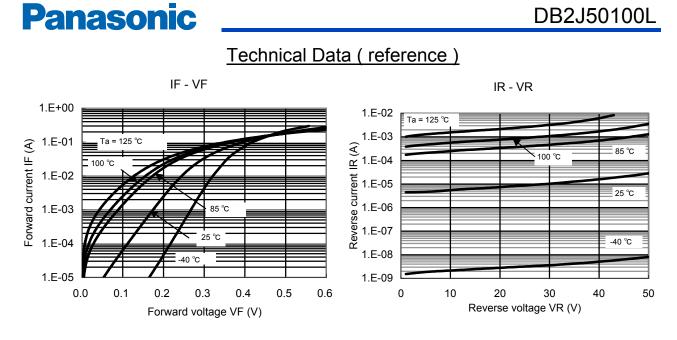
2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

3. Absolute frequency of Input and output is 1000 MHz

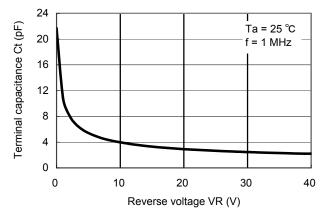
4. \*1 : trr measurement circuit

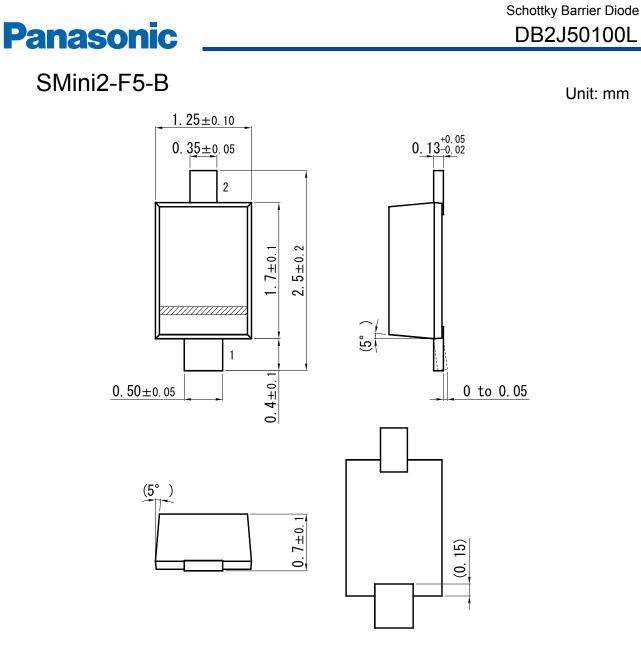


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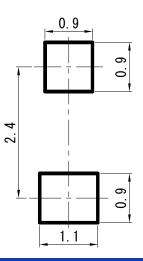








Land Pattern (Reference) (Unit: mm)



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