

Schottky Barrier Diode DB2J20900L

## DB2J20900L Silicon epitaxial planar type

For high frequency rectification DB3X209K in SMini2 type package

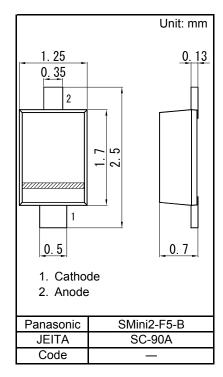
#### Features

- Low forward voltage VF
- Short reverse recovery time trr
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

Marking Symbol: BE

#### Packaging

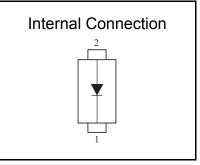
Embossed type (Thermo-compression sealing): 3 000 pcs / reel (standard)



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

Parameter	Symbol	Rating	Unit			
Reverse voltage	VR	20	V			
Repetitive peak reverse voltage	VRRM	20	V			
Forward current (Average)	IF(AV)	500	mA			
Non-repetitive peak forward surge current *1	IFSM	3	А			
Junction temperature	Tj	125	°C			
Operating ambient temperature	Topr	-40 to +85	°C			
Storage temperature	Tstg	-55 to +125	°C			
Not the FOLL size wave 1 avails (New repetitive peak avarant)						

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



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 $I_{rr} = 0.1 \times I_R$ 

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

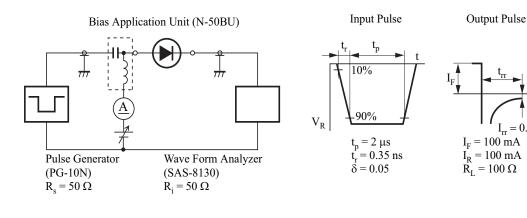
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF1	IF = 10 mA			0.3	V
	VF2	IF = 500 mA			0.5	
Reverse current	IR	VR = 10 V			30	μA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		7		pF
Reverse recovery time <sup>*1</sup>	trr	IF = IR = 100 mA,	2.4		ns	
	ul	Irr = 0.1 × IR, RL = 100 Ω		2.4		113

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.

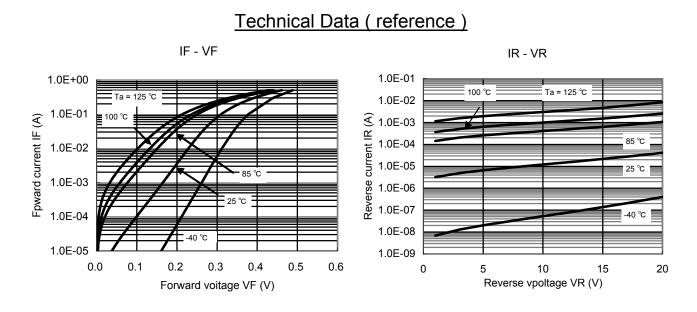
3. Absolute frequency of Input and output is 400 MHz.

4. \*1 : trr measurement circuit

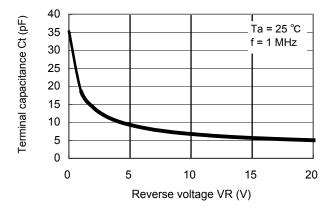


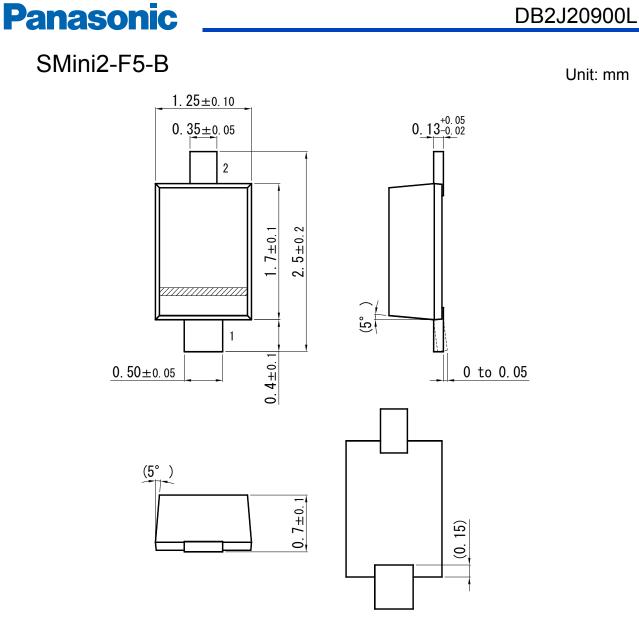
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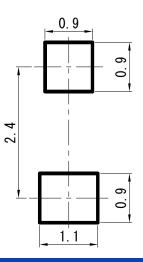








■ Land Pattern (Reference) (Unit: mm)



Schottky Barrier Diode

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