Schottky Barrier Diode

DB2S20900L

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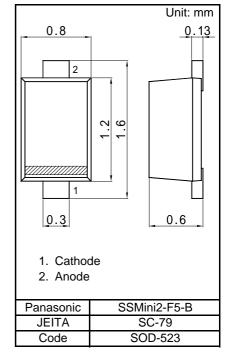
Panasonic

Silicon epitaxial planar type

For high frequency rectifier DB2J209 in SSMini2 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

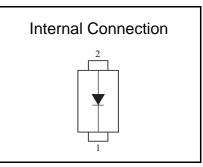
Embossed type (Thermo-compression sealing): 3 000 pcs / reel (standard)



■ 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	1	Α
Junction temperature	Tj	125	ç
Operating ambient temperature	Topr	-40 to +85	ç
Storage temperature	Tstg	-55 to +125	°C

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



Established: 2011-03-10 Revised: 2013-12-12

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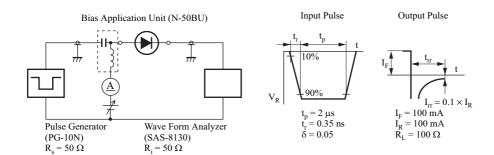
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■ Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF1	IF = 10 mA			0.3	V
	VF2	IF = 500 mA			0.51	V
Reverse current	IR	VR = 10 V			30	μA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		7		pF
Reverse recovery time *1	trr	IF = IR = 100 mA,	2.4		ns	
ui ui	"1	Irr = $0.1 \times IR$, RL = 100Ω				

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

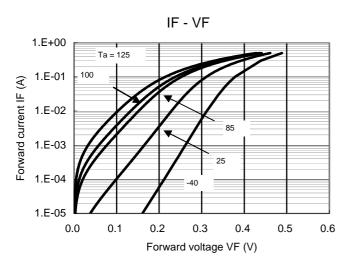


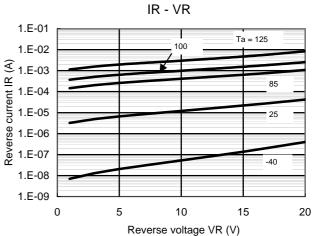
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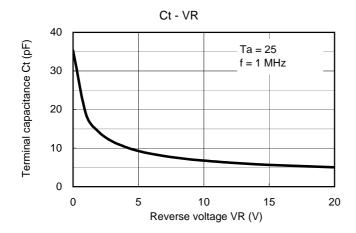
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Technical Data (reference)







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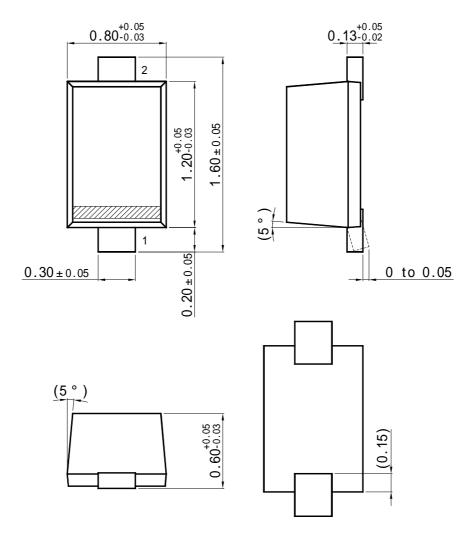
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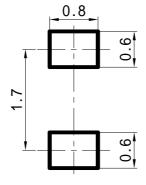
SSMini2-F5-B

Panasonic

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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