

DB2J20500L

Schottky Barrier Diode DB2J20500L

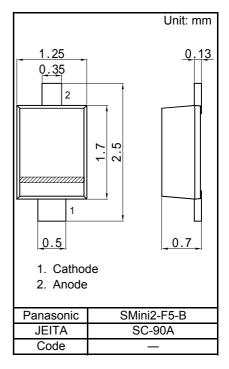
Silicon epitaxial planar type

For high frequency rectification DB2S205 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: BA

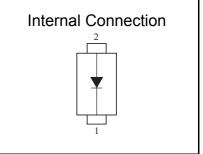
Packaging

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	15	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
	6 - 0 - 1		



Note: *1 The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

Panasonic

Schottky Barrier Diode

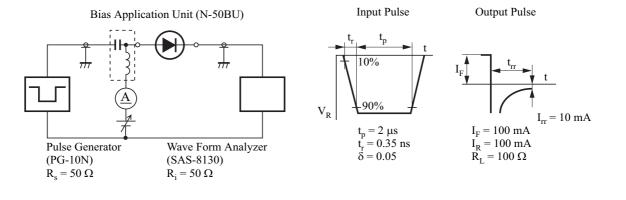
■ Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 200 mA			0.39	V
Reverse current	IR	VR = 6 V			50	μA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		6.1		pF
Reverse recovery time ^{*1}	trr	IF = IR = 100 mA, Irr = 10 mA RL = 100 Ω		2.2		ns

Note: 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.

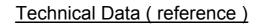
2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

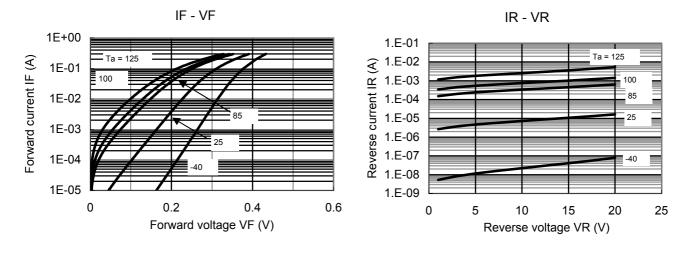
- 3. Absolute frequency of input and output is 250 MHz.
- 4. *1 trr test circuit



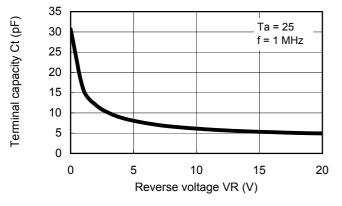
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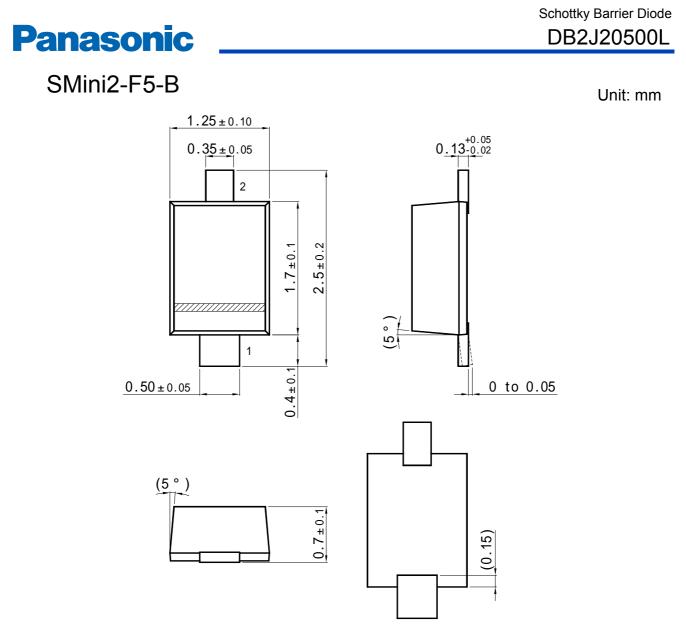




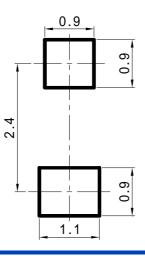




Doc No. TT4-EA-13919 Revision. 2



■ Land Pattern (Reference) (Unit: mm)



Established : 2011-10-27 Revised : 2013-12-10

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