Schottky Barrier Diode

DB2132000L

Panasonic

DB2132000L

Silicon epitaxial planar type

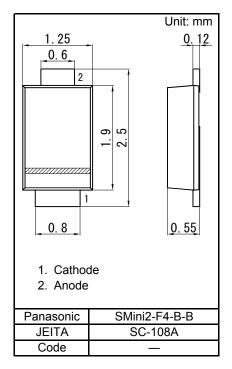
For rectification DB22320 in SMini2 type package

■ Features

- · Low forward voltage VF
- · Small reverse leakage current
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: B5

■ Packaging

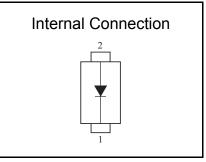
Embossed type (Thermo-compression sealing): 3 000 pcs / reel (standard)



■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Reverse voltage	VR	30	V
Repetitive peak reverse voltage	VRRM	30	V
Forward current (Average) *1	IF(AV)	1.5	Α
Non-repetitive peak forward surge current *2	IFSM	20	Α
Junction temperature	Tj	125	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +125	°C

Note: *1 For embedded alumina substrate (substrate size:5 cm × 5 cm)



Established: 2011-07-08 Revised: 2013-04-19

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

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

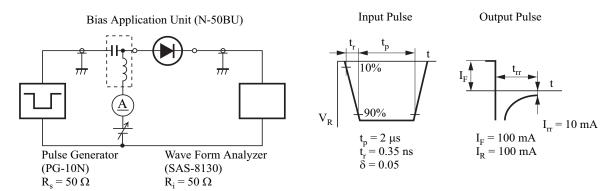
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF1	IF = 0.5 A			0.38	
	VF2	IF = 1.0 A			0.42	V
	VF3	IF = 1.5 A			0.46	
Reverse current	IR	VR = 30 V			100	μA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		48		pF
Reverse recovery time *1	trr	IF = IR = 100 mA, Irr = 10 mA		16		ns

- 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. *1 trr test circuit

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: 2013-04-19

Revised

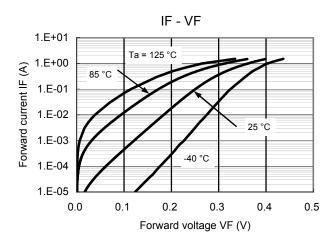


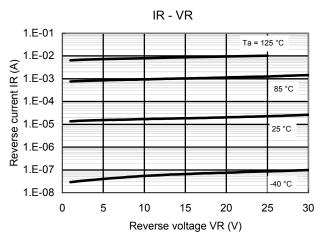
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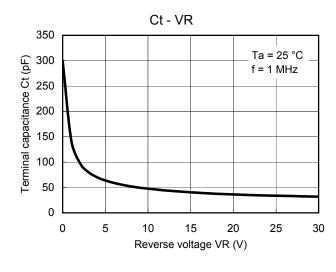
DB2132000L

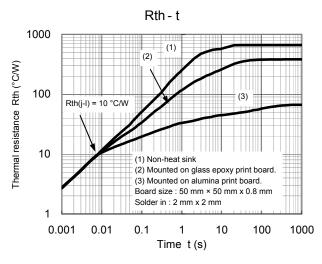
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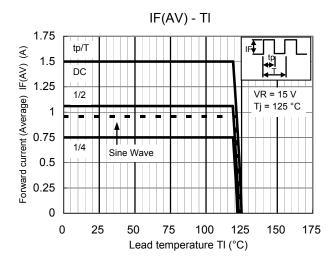
Technical Data (reference)

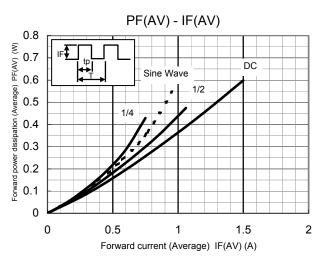












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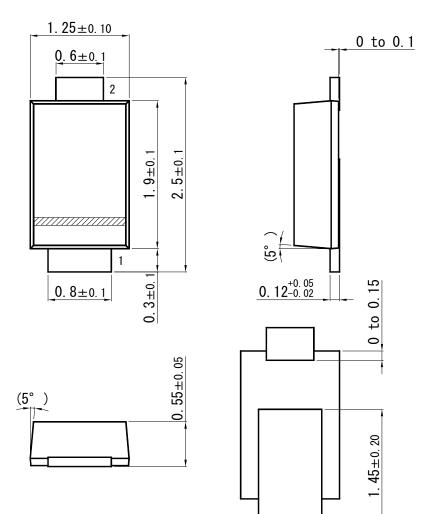
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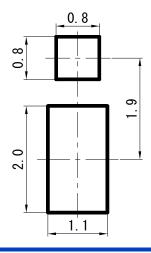
DB2132000L

SMini2-F4-B-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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