DB2130300L

Panasonic

DB2130300L

Silicon epitaxial planar type

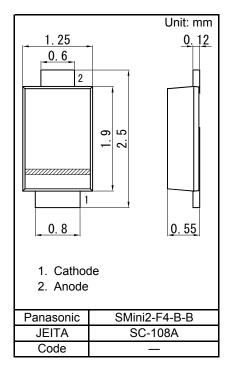
For rectification

■ 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: B4

■ Packaging

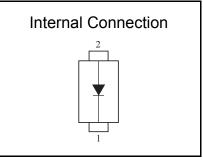
Embossed type (Thermo-compression sealing): 3 000 pcs / reel (standard)



■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Reverse voltage	VR	30	V
Maximum peak reverse voltage	VRM	30	V
Forward current (Average) *1	IF(AV)	1.0	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)



Page 1 of 4

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

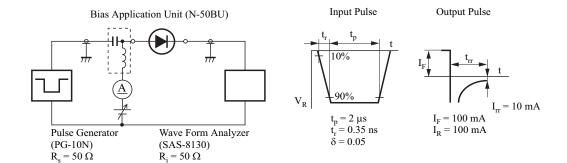
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF1	IF = 0.7 A			0.47	V
	VF2	IF = 1.0 A			0.49	
Reverse current	IR	VR = 30 V			40	μΑ
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		33		pF
Reverse recovery time *1	trr	IF = IR = 100 mA, Irr = 10 mA		11		ns

- 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

Established: 2011-07-08

: 2013-04-19

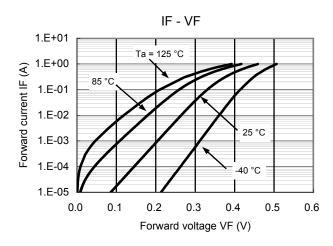
Revised

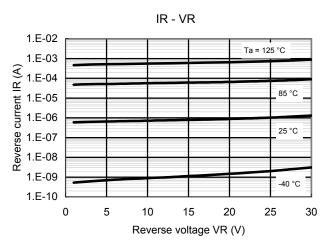


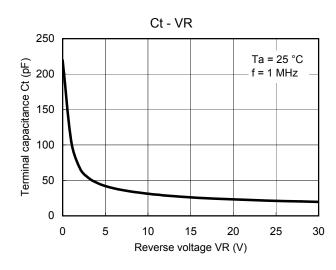
DB2130300L

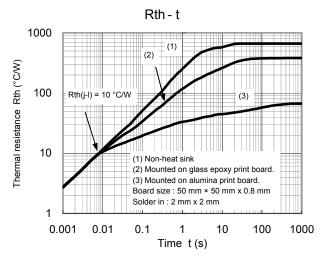
Panasonic

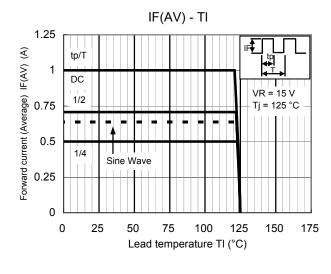
Technical Data (reference)

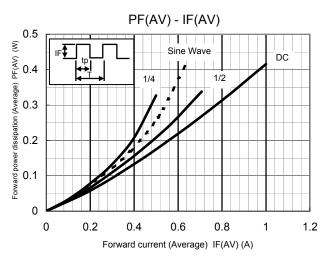












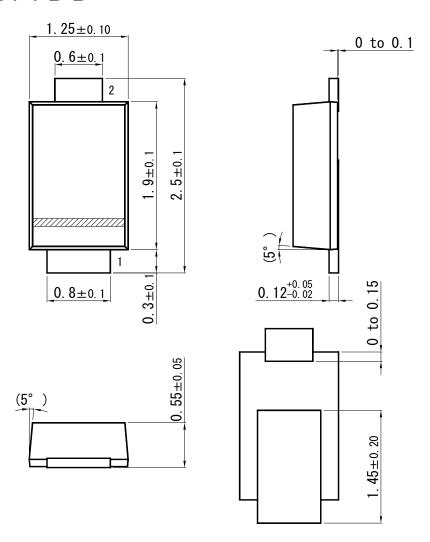
Established: 2011-07-08 Revised: 2013-04-19

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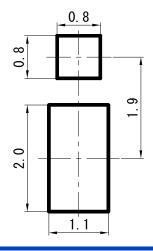
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SMini2-F4-B-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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

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