

Schottky Barrier Diode DB2141200L

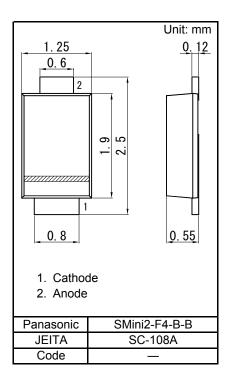
DB2141200L Silicon epitaxial planar type

For rectification

- Features
- Low forward voltage and small reverse leakage current •
- Forward current (Average) IF(AV) = 1.5 A rectification is possible
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: 4S

Packaging

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

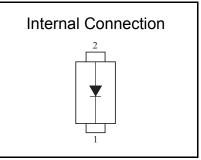


■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Reverse voltage	VR	40	V
Forward current (average) *1	IF(AV)	1.5	А
Non-repetitive peak forward surge current *2	IFSM	30	А
Junction temperature ^{*1}	Tj	150	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +150	°C
Note: *1 TI = 80 °C			

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



Panasonic

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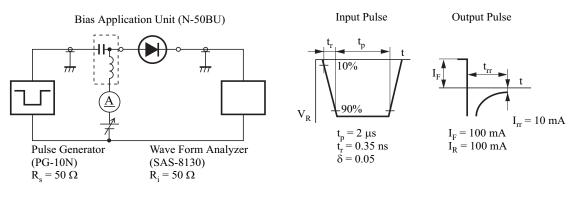
■ Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 1.5 A		0.41	0.48	V
Reverse current	IR	VR = 40 V		25	150	μA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		43		pF
Reverse recovery time ^{*1}	trr	IF = IR = 100 mA, Irr = 10 mA		12		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.

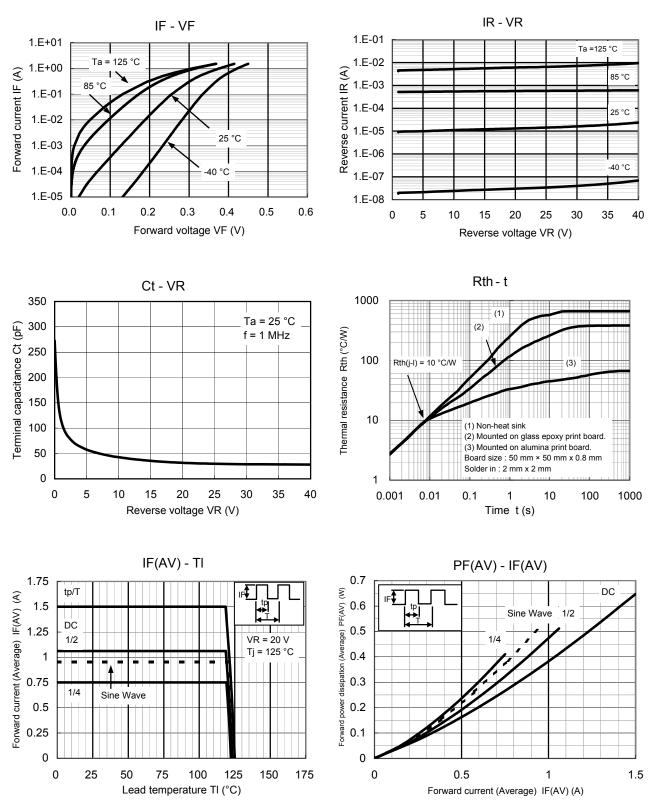
3. *1 trr test circuit



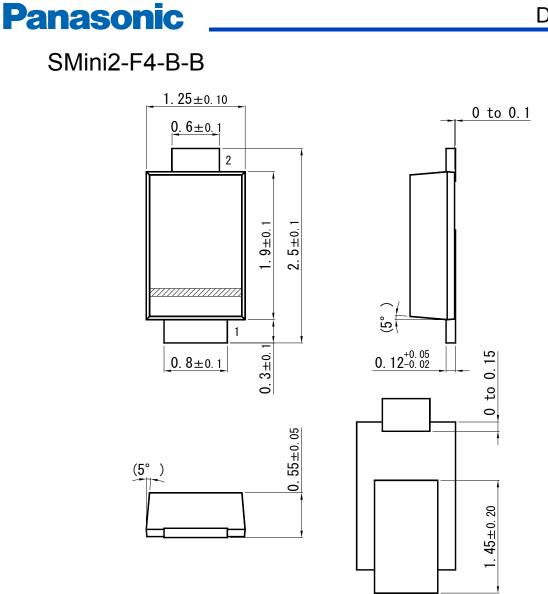
Panasonic



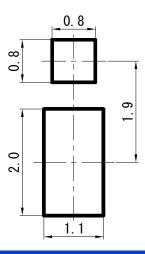




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Land Pattern (Reference) (Unit: mm)



DB2141200L

Unit: mm

Schottky Barrier Diode

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