

Schottky Barrier Diode DB2X20700L

DB2X20700L Silicon epitaxial planar type

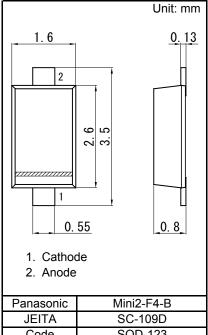
For high frequency rectification DB3X207K in Mini2 type package

Features

- Low forward voltage VF
- Forward current (Average) IF(AV) = 1 A rectification is possible
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: AA

Packaging

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



Code	SOD-123			
Internal Connection				
2				

Unit

V

V

A

А

°C

°C

°C

-40 to +85

-55 to +125

Topr

Tstg

Parameter Symbol Rating Reverse voltage VR 20 Repetitive peak reverse voltage VRRM 20 Forward current (Average) IF(AV) 1 IFSM 7 Non-repetitive peak forward surge current Tj 125 Junction temperature

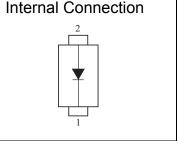
Note: *1 For embedded alumina substrate

Operating ambient temperature

Storage temperature

Absolute Maximum Ratings Ta = 25 °C

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



Panasonic

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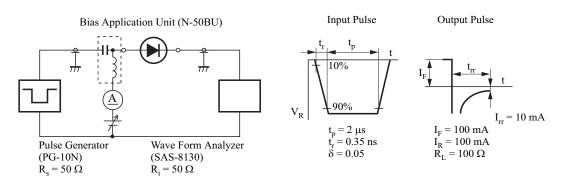
■ Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 1.0 A			0.4	V
Reverse current	IR	VR = 6 V			1.5	mA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		43		pF
Reverse recovery time *1	trr	IF = IR = 100 mA, Irr = 10 mA, RL = 100 Ω		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.

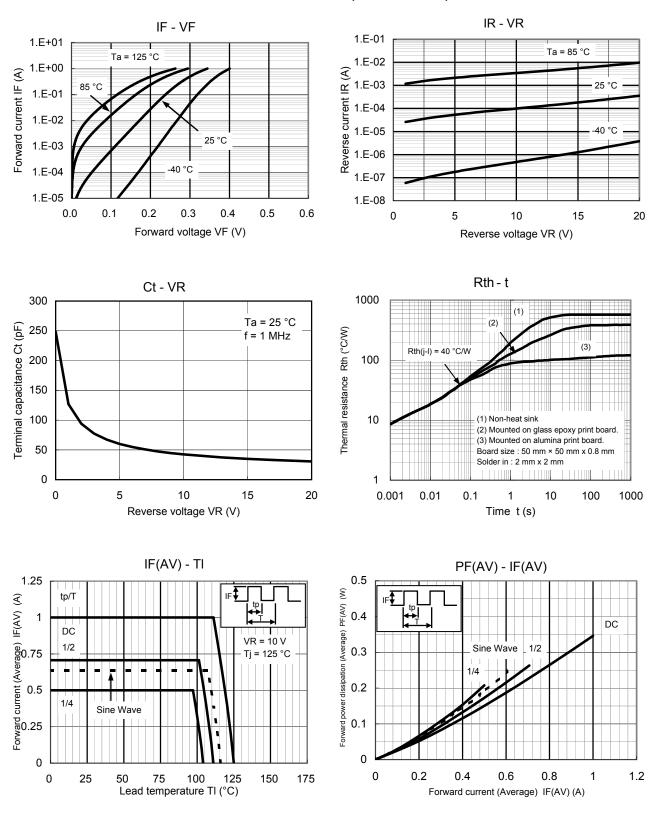
3. *1 trr test circuit





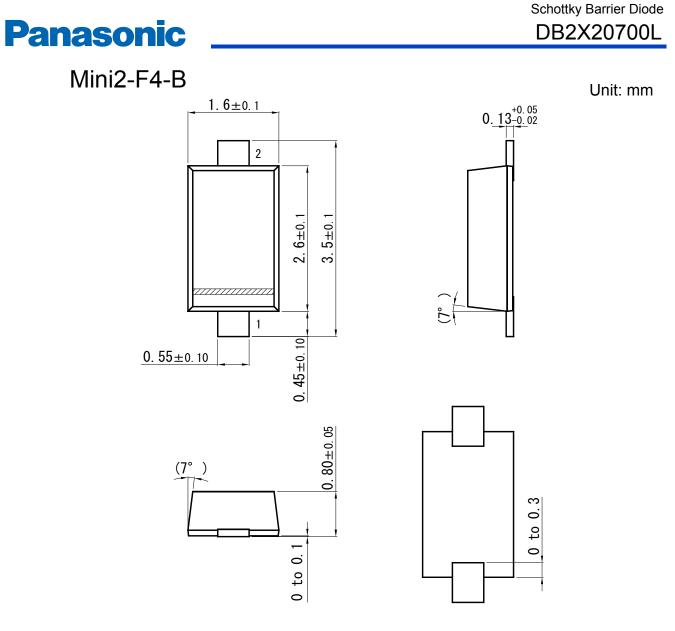


Technical Data (reference)

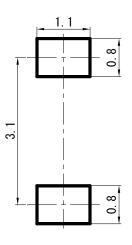


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Established : 2010-06-21 Revised : 2013-04-24



Land Pattern (Reference) (Unit: mm)



Established : 2010-06-21 Revised : 2013-04-24

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