

Schottky Barrier Diode DB2X20600L

DB2X20600L Silicon epitaxial planar type

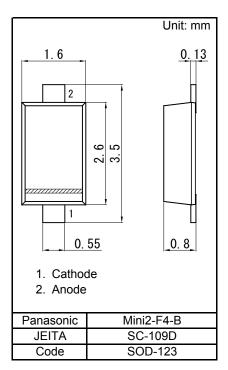
For high frequency rectification DB3X206K in Mini2 type package

#### 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: D3

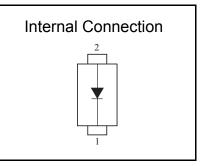
Packaging

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



Parameter	Symbol	Rating	Unit			
Reverse voltage	VR	20	V			
Repetitive peak reverse voltage	VRRM	20	V			
Forward current (Average) *1	IF(AV)	1	А			
Non-repetitive peak forward surge current *2	IFSM	3	А			
Junction temperature	Tj	125	°C			
Operating ambient temperature	Topr	-40 to +85	°C			
Storage temperature	Tstg	-55 to +125	°C			

### ■ Absolute Maximum Ratings Ta = 25 °C



Note: \*1 For embedded alumina substrate

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

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## Schottky Barrier Diode DB2X20600L

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 1.0 A			0.45	V
Reverse current	IR	VR = 20 V			100	μA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		20		pF
Reverse recovery time <sup>*1</sup>	trr	IF = IR = 100 mA, Irr = 0.1 × IR, RL = 100 Ω		6		ns

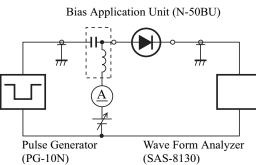
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.

2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on

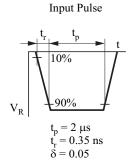
the charge of a human body and the leakage of current from the operating equipment.

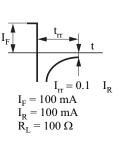
3. \*1 trr test circuit

 $\hat{R}_s = 50 \hat{\Omega}$ 









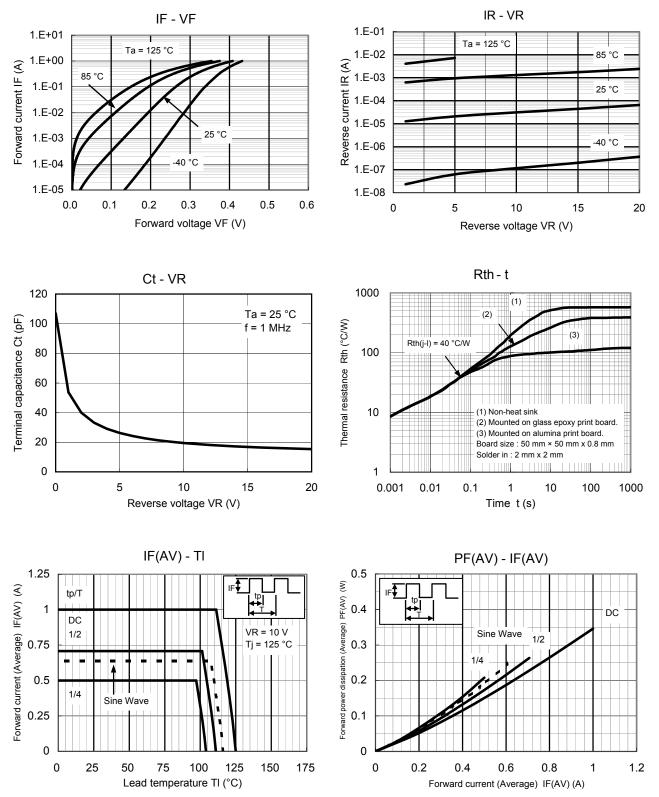
Output Pulse

Established : 2010-06-10 : 2013-04-26 Revised

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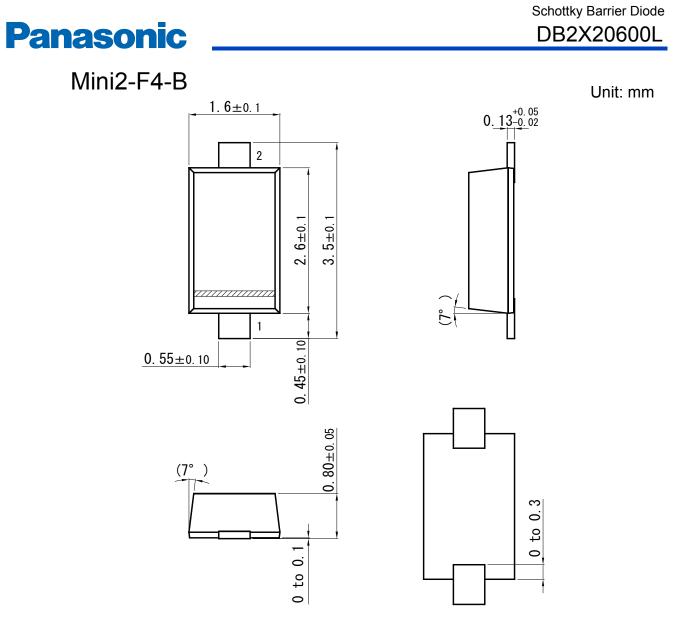




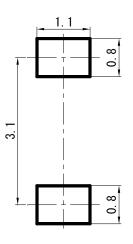


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