Schottky Barrier Diode

DB3X206K0L

DB3X206K0L

Panasonic

Silicon epitaxial planar type

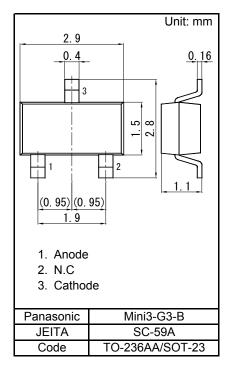
For high frequency rectification

■ 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: 3E

■ Packaging

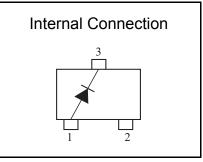
Embossed type (Thermo-compression sealing): 3 000 pcs / reel (standard)



Absolute Maximum	Ratings	Ta = 25 °C

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

Note: *1 Mounted on an alumina PC board



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

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

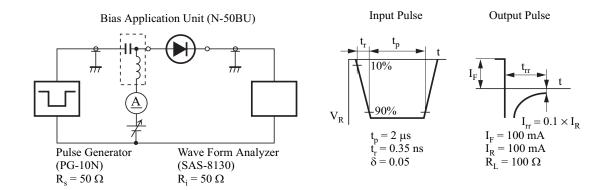
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 1.0 A			0.45	V
Reverse current	IR	VR = 20 V			100	μA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		20		pF
Reverse recovery time *1	trr	IF = IR = 100 mA, Irr = 0.1 × IR, RL = 100 Ω		6		ns

- 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

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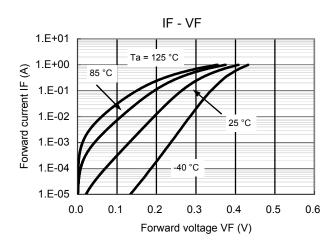
Revised

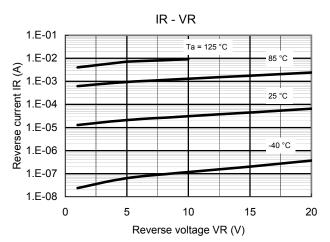


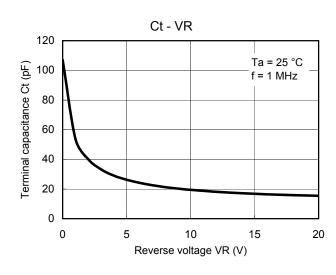
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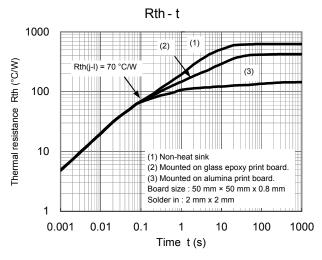
Schottky Barrier Diode DB3X206K0L

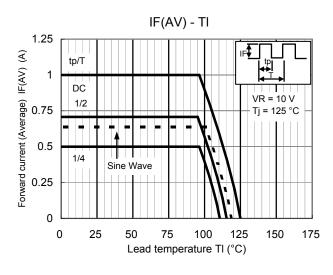
Technical Data (reference)

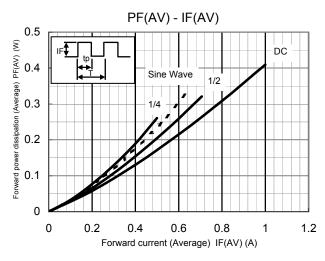












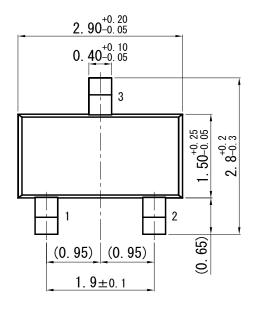
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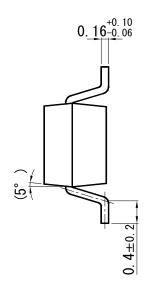
Schottky Barrier Diode

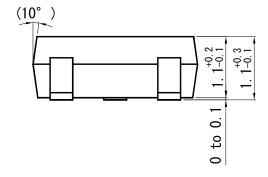
DB3X206K0L

Mini3-G3-B

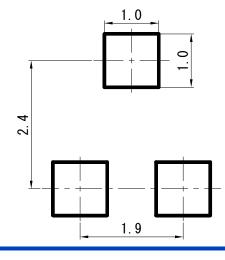
Unit: mm







■ Land Pattern (Reference) (Unit: mm)



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