Panasonic

DB2X60300L

Silicon epitaxial planar type

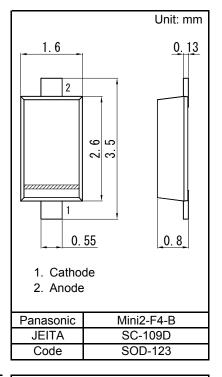
For high speed switching circuits DB3X603K in Mini2 type package

■ Features

- · High reverse voltage VR
- Small reverse current IR
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: A9

■ Packaging

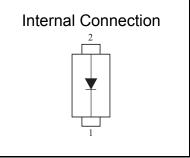
Embossed type (Thermo-compression sealing) 3 000 pcs / reel (standard)



■ Absolute Maximum Ratings Ta = 25 °C	C
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Symbol	Rating	Unit
VR	60	V
VRM	60	V
IF(AV)	500	mA
IFSM	2	Α
Tj	150	°C
Topr	-40 to +85	°C
Tstg	-55 to +150	°C
	VR VRM IF(AV) IFSM Tj Topr	VR 60 VRM 60 IF(AV) 500 IFSM 2 Tj 150 Topr -40 to +85

Note: *1 TI = 80°C



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

Revision. 2

Schottky Barrier Diode

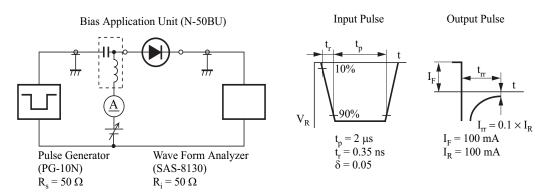
DB2X60300L

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 500 mA			0.65	V
Reverse current	IR	VR = 50 V			100	μA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		14		pF
Reverse recovery time *1	trr	IF = IR = 100 mA, Irr = 0.1 × IR		4.5		ns

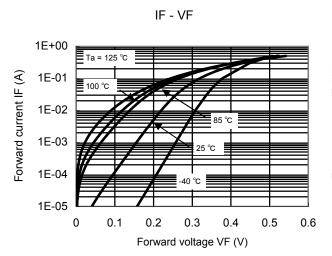
- Note: 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
 - 2. Schottky diode is frail with static electricity, and it should be kept in safety from shock of static electricity and static electricity level.
 - 3. Absolute frequency of input and output is 1 000 MHz.
 - 4. *1 : trr measurement circuit

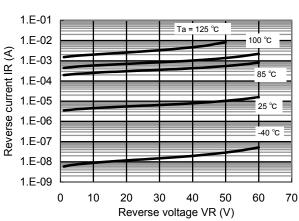


Panasonic

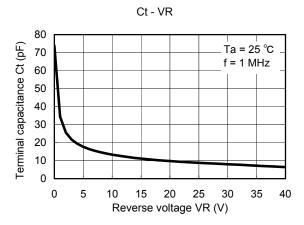
Schottky Barrier Diode DB2X60300L

Technical Data (reference)





IR - VR

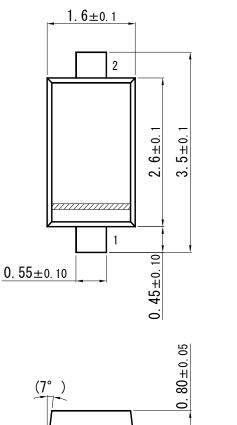


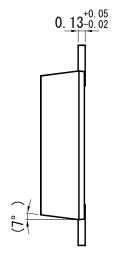
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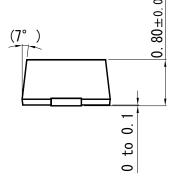
Panasonic

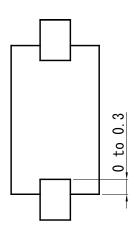
Mini2-F4-B



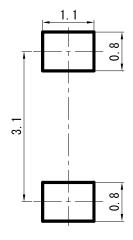








■ Land Pattern (Reference) (Unit: mm)



Established: 2011-07-07 Revised: 2013-12-12

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