Schottky Barrier Diode

DB2J40600L

Panasonic

DB2J40600L

Silicon epitaxial planar type

For high speed switching circuits

■ Features

- · Small reverse current IR
- · Short reverse recovery time trr
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol:4Q

■ Packaging

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

Unit: mm

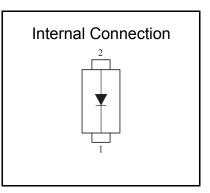
1. 25
0. 13
0. 35
2
1
0. 5
1. Cathode
2. Anode

Panasonic SMini2-F5-B
JEITA SC-90A
Code —

■ Absolute Maximum Ratings Ta = 25 °	C
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Parameter	Symbol	Rating	Unit
Reverse voltage	VR	40	V
Repetitive peak reverse voltage	VRRM	40	V
Average forward current	IF (AV)	100	mA
Peak forward current	IFM	300	mA
Non-repetitive peak forward surge current *1	IFSM	1	Α
Junction temperature	Tj	125	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +125	°C

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



Established: 2011-04-22 Revised: 2013-12-12 Revision. 2

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

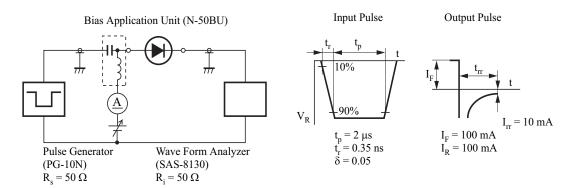
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 100 mA			0.6	V
Reverse current	IR	VR = 40 V			5	μΑ
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		2.2		pF
Reverse recovery time *1	trr	IF = IR = 100 mA, Irr = 10 mA		0.9		ns

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. Absolute frequency of Input and output is 250 MHz
- 4. *1 : trr measurement circuit

Established: 2011-04-22

Revised

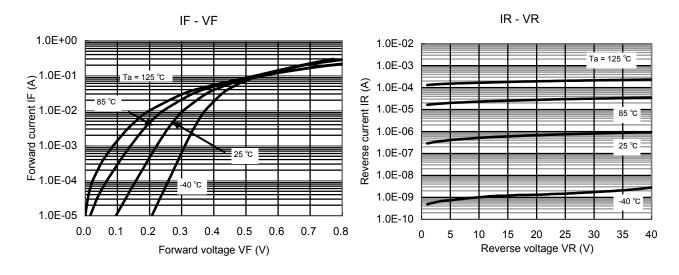


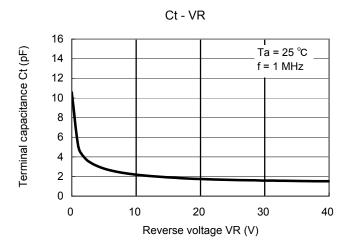
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Technical Data (reference)





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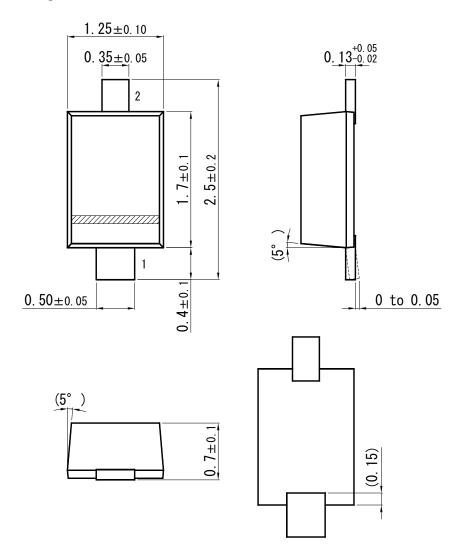
Schottky Barrier Diode

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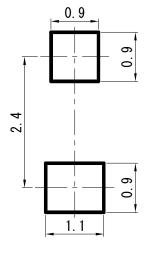
Panasonic

SMini2-F5-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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