Panasonic

DB2U31600L

Silicon epitaxial planar type

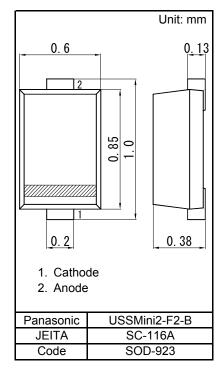
For small current rectification DB27316 in USSMini2 type package

■ Features

- · Low forward voltage VF
- · Short reverse recovery time trr
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol:15

■ Packaging

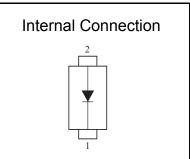
Embossed type (Thermo-compression sealing): 10 000 pcs / reel (standard)



■ Absolute Maximum Ratings	Ta = 25 ° (C
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Parameter	Symbol	Rating	Unit
Reverse voltage	VR	30	V
Repetitive peak reverse voltage	VRRM	30	V
Forward current (Average)	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 The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)



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Established: 2012-03-07 Revised: 2013-12-13

Schottky Barrier Diode

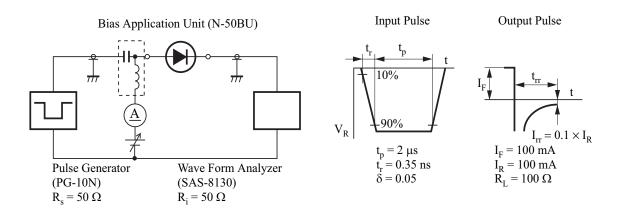
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■ Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 100 mA			0.55	V
Reverse current	IR	VR = 30 V			15	μA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		2		pF
Reverse recovery time *1	I trr	IF = IR = 100 mA, Irr = 0.1× IR RL = 100 Ω		0.8		ns

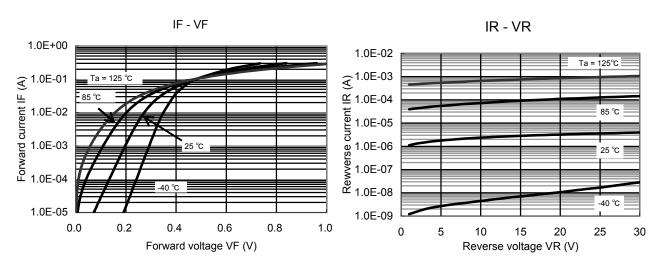
- Note: 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.
 - 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
 - 3. Absolute frequency of input and output is 250 MHz.
 - 4. *1 trr test circuit

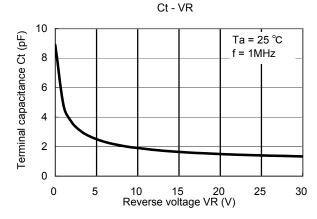


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Schottky Barrier Diode DB2U31600L

Technical Data (reference)



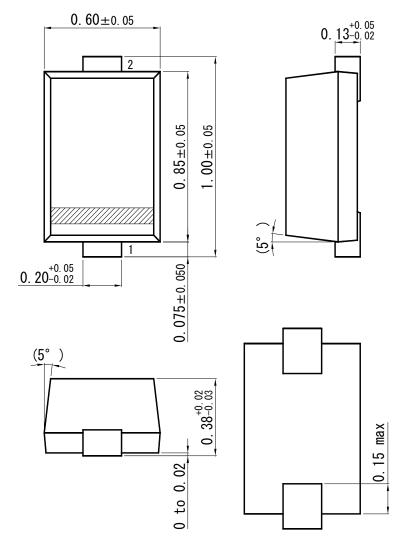


Established: 2012-03-07 Revised: 2013-12-13

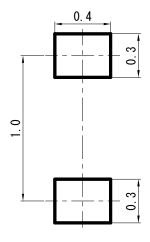
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USSMini2-F2-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



Established: 2012-03-07 Revised: 2013-12-13

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