Panasonic

DB2W60400L

Silicon epitaxial planar type

For rectification

■ Features

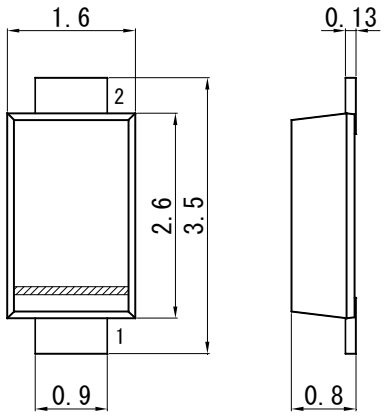
- Small reverse current IR
- Forward current (Average) IF(AV) = 2 A rectification is possible
- Halogen-free / RoHS compliant
  (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

■ Marking Symbol: CD

■ Packaging

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

Unit: mm



1. Cathode
2. Anode

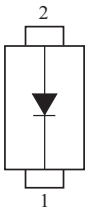
Panasonic	Mini2-F3-B
JEITA	SC-109B
Code	—

■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Reverse voltage	VR	60	V
Peak forward current *1	IF(AV)	2	A
Non-repetitive peak forward surge current *2	IFSM	30	A
Junction temperature *1	Tj	150	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +150	°C

Note: *1 Tl = 80 °C
*2 50 Hz sine wave 1 cycle (Non-repetitive peak current)

Internal Connection



Established : 2010-06-17
Revised : 2013-04-27

Schottky Barrier Diode

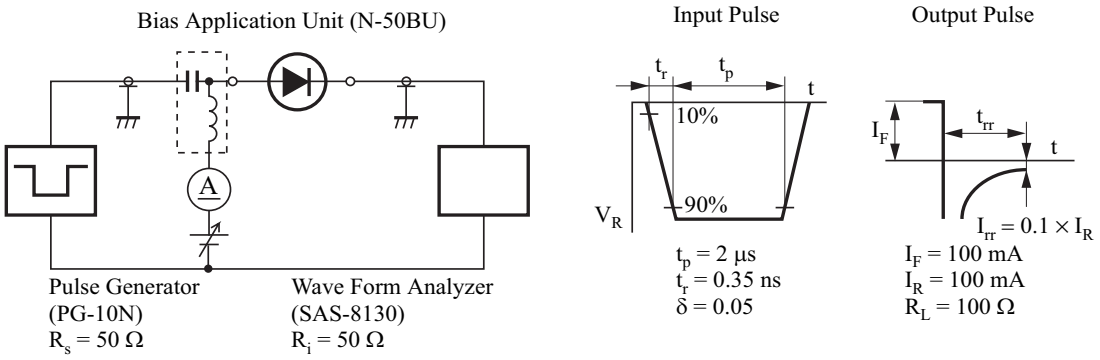
Panasonic

DB2W60400L

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 2 A		0.59	0.66	V
Reverse current	IR	VR = 60 V			300	μA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		38		pF
Reverse recovery time *1	trr	IF = IR = 100 mA Irr = 0.1 × IR, RL = 100 Ω		12		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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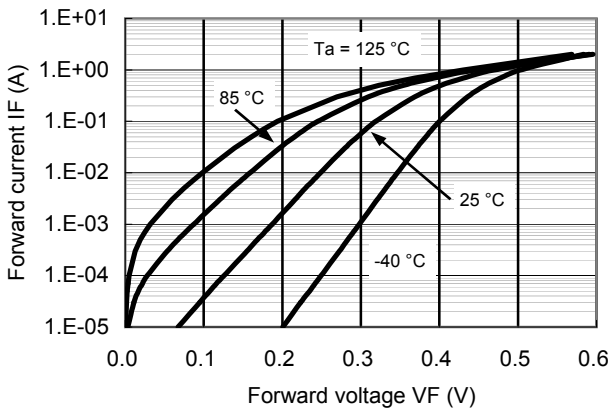
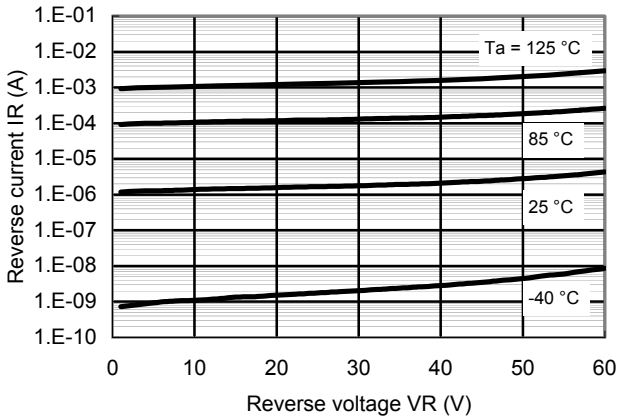
Schottky Barrier Diode
DB2W60400L

Technical Data (reference)

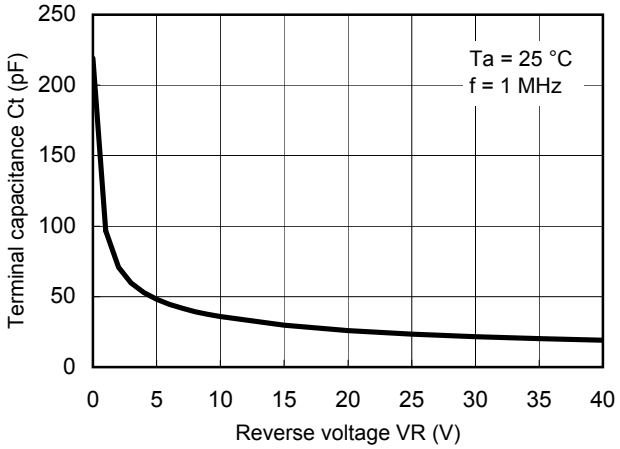
IF - VF



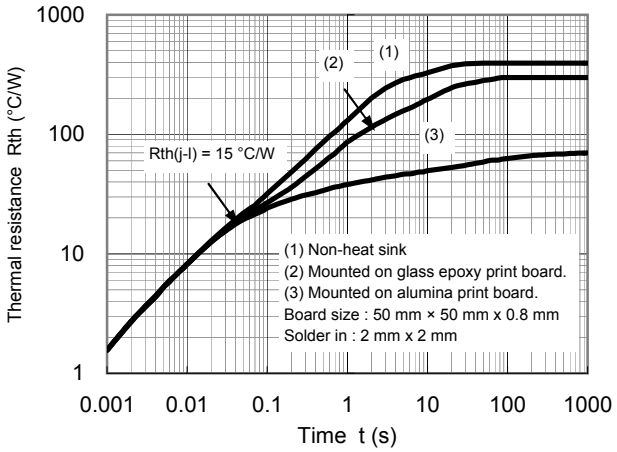
IR - VR



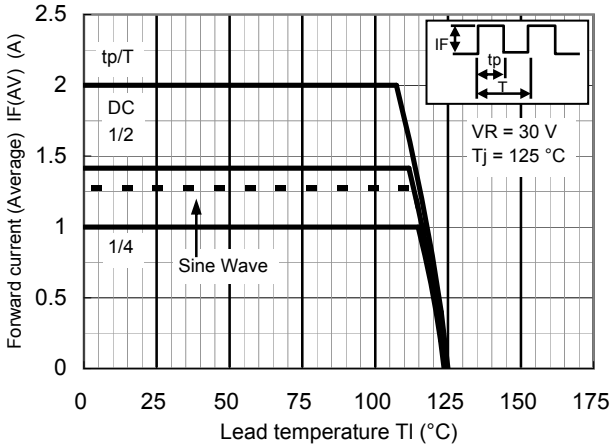
Ct - VR



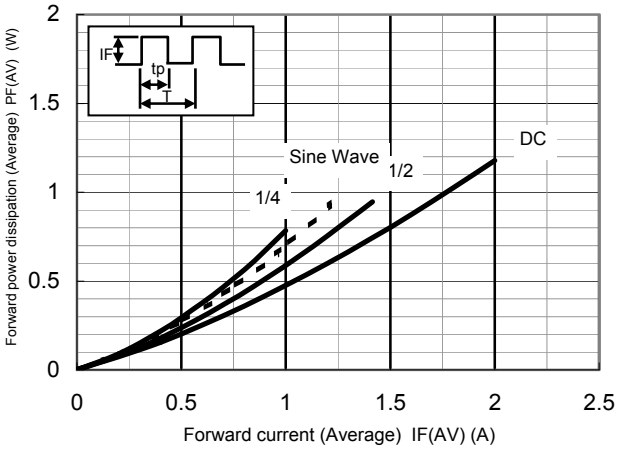
Rth - t



IF(AV) - Tl



PF(AV) - IF(AV)



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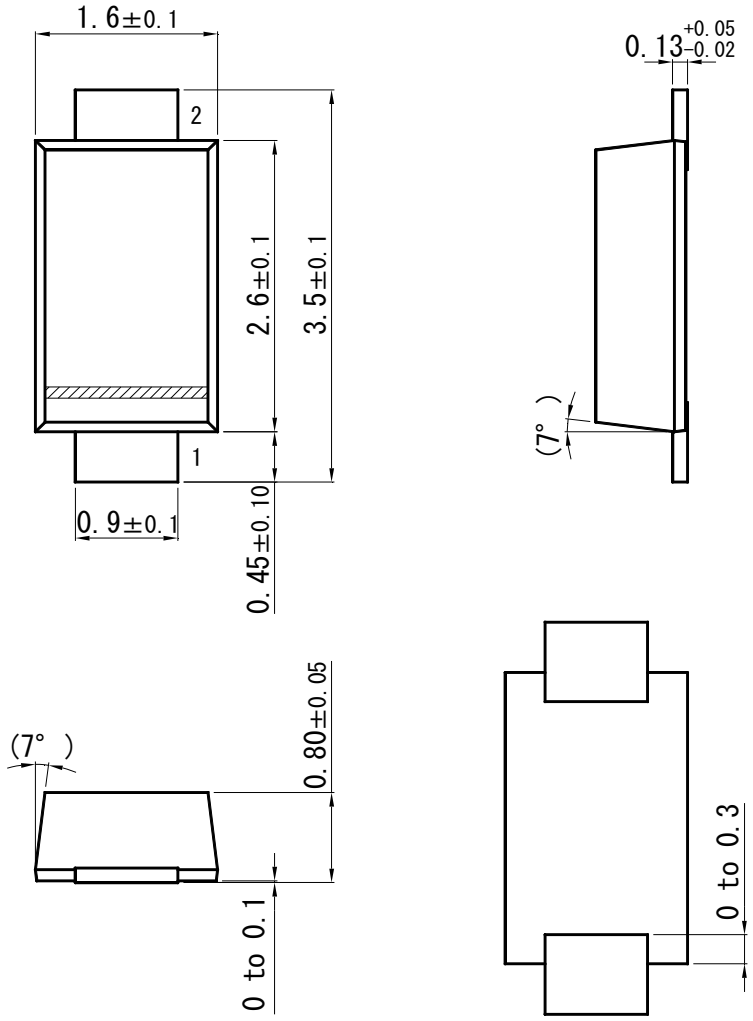
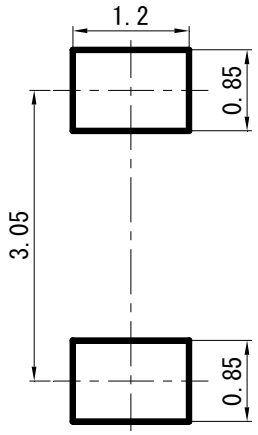
Panasonic

Mini2-F3-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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