

Schottky Barrier Diode DB2440100L

DB2440100L Silicon epitaxial planar type

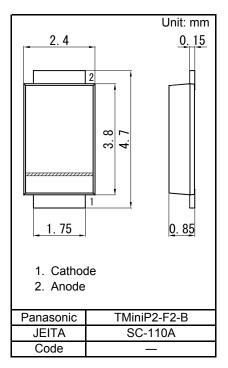
#### For rectification

#### Features

- Low forward voltage VF
- Low terminal capacitance Ct
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: 41

#### Packaging

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



# Internal Connection

#### ■ Absolute Maximum Ratings Ta = 25 °C

	-		
Parameter	Symbol	Rating	Unit
Reverse voltage	VR	40	V
Maximum peak reverse voltage	VRM	40	V
Forward current <sup>*1</sup>	IF	1.0	А
Non-repetitive peak forward surge current *2	IFSM	30	А
Junction temperature <sup>*1</sup>	Tj	150	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +150	°C

Note: \*1 TI = 80 °C

\*2 50 Hz sine wave 1 cycle (Non-repetitive peak current)

## **Panasonic**

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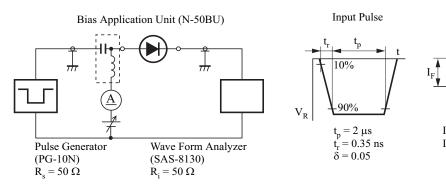
#### ■ Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 1.0 A			0.39	V
Reverse current	IR	VR = 40 V			250	μA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		50		pF
Reverse recovery time *1	trr	IF = IR = 100 mA, Irr = 10 mA		15		ns

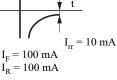
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.

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

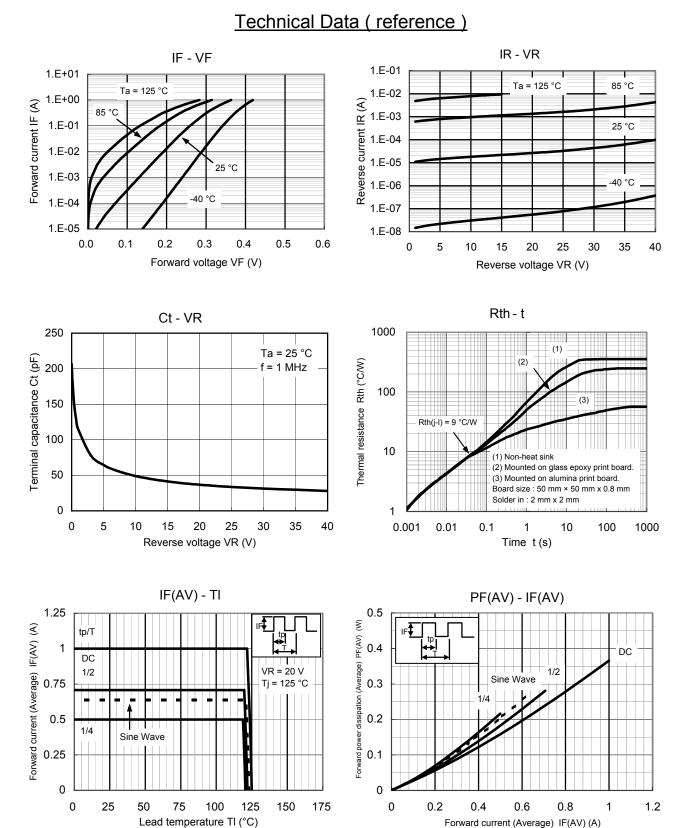




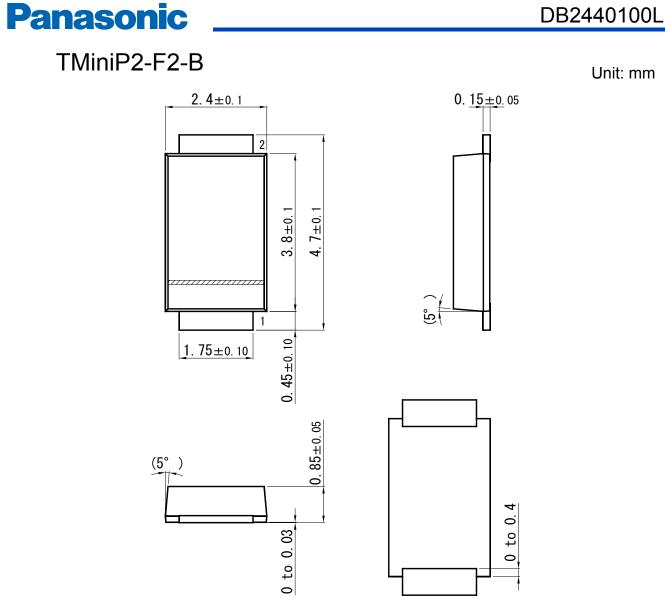




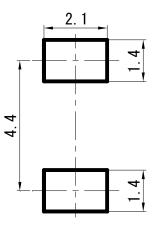
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