



DB2X20700L

Silicon epitaxial planar type

For high frequency rectification
 DB3X207K in Mini2 type package

■ Features

- Low forward voltage VF
- Forward current (Average) IF(AV) = 1 A rectification is possible
- Halogen-free / RoHS compliant
 (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

■ Marking Symbol: AA

■ Packaging

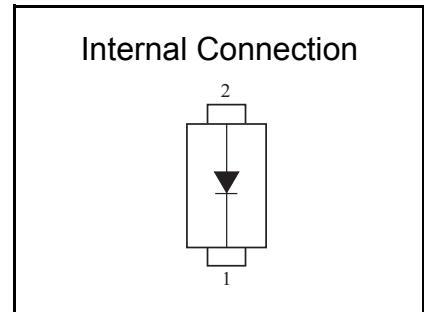
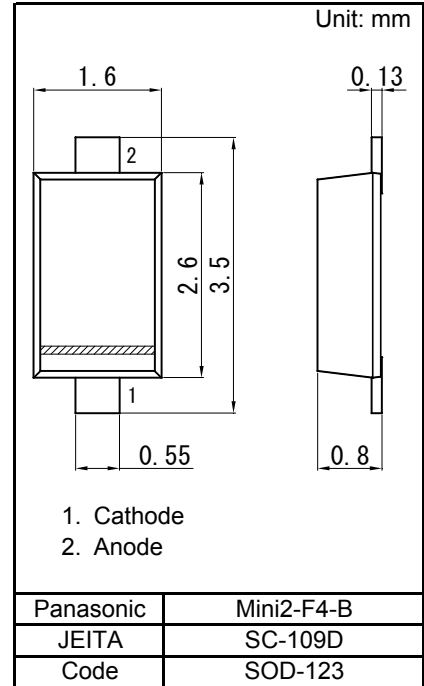
Embossed type (Thermo-compression sealing) : 3 000 pcs / reel (standard)

■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Reverse voltage	VR	20	V
Repetitive peak reverse voltage	VRRM	20	V
Forward current (Average) *1	IF(AV)	1	A
Non-repetitive peak forward surge current *2	IFSM	7	A
Junction temperature	Tj	125	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +125	°C

Note: *1 For embedded alumina substrate

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

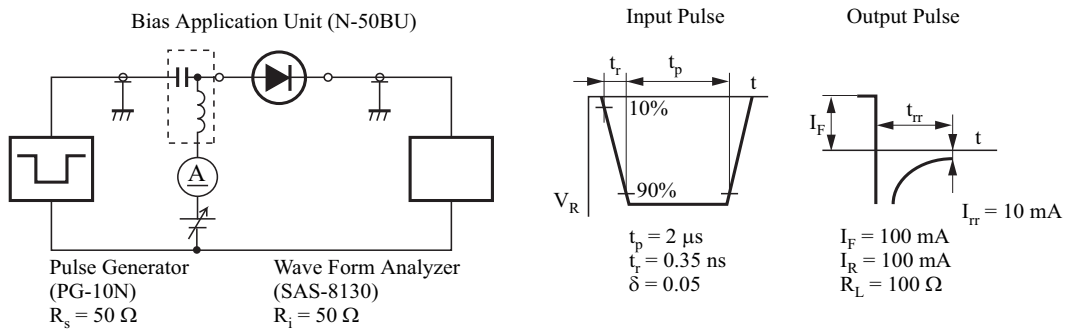




■ Electrical Characteristics Ta = 25 °C ± 3 °C

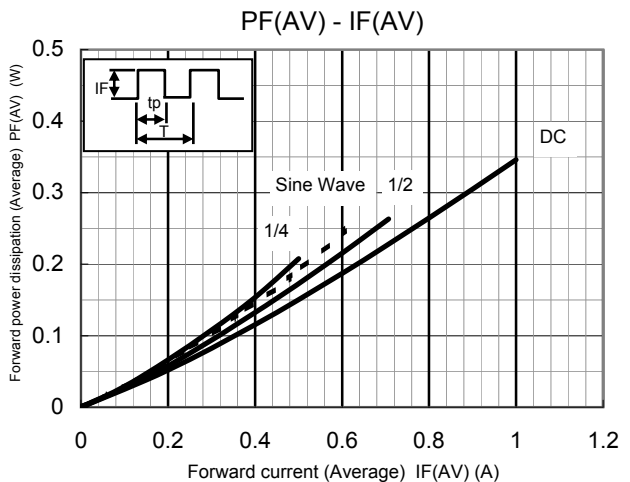
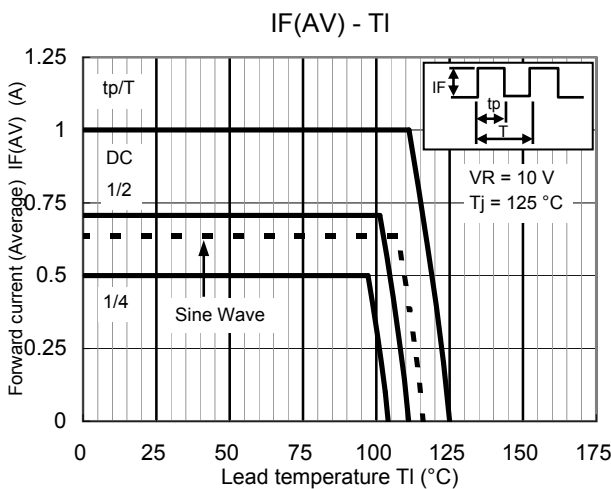
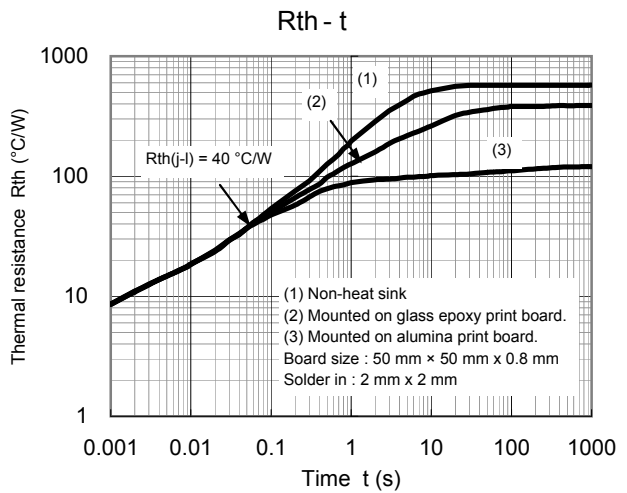
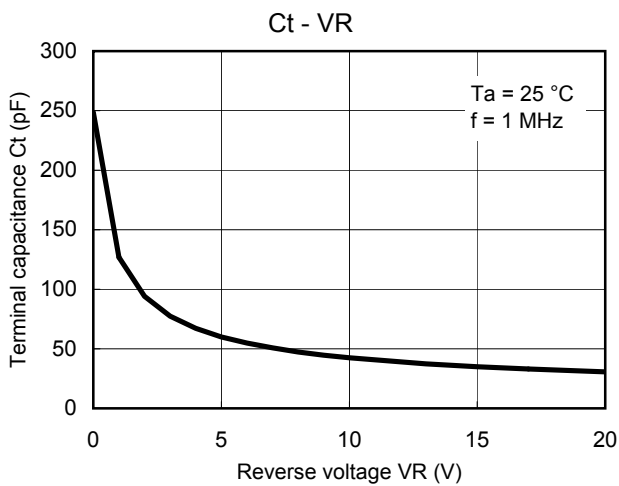
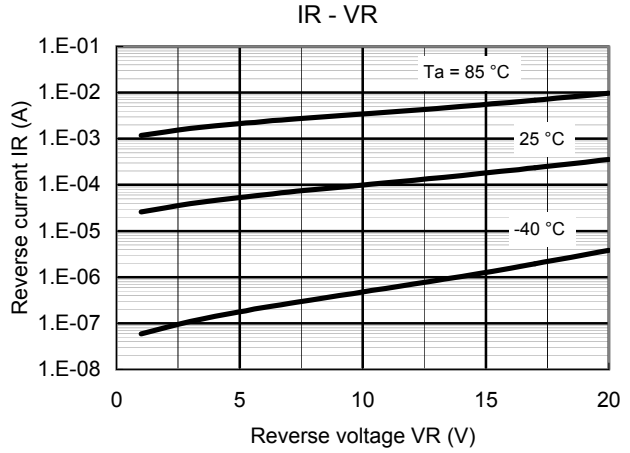
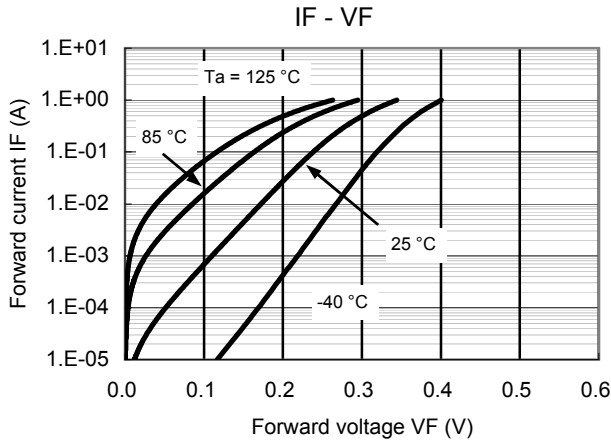
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 1.0 A			0.4	V
Reverse current	IR	VR = 6 V			1.5	mA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		43		pF
Reverse recovery time *1	t _{rr}	IF = IR = 100 mA, I _{rr} = 10 mA, RL = 100 Ω		12		ns

- 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 t_{rr} test circuit





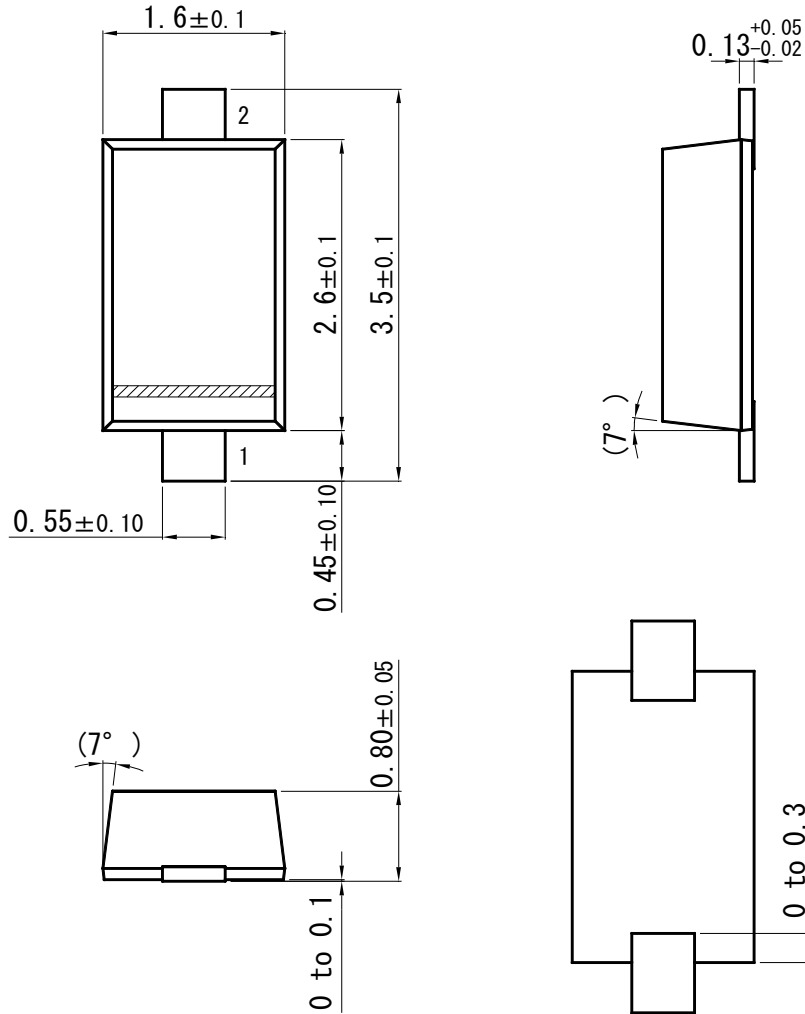
Technical Data (reference)



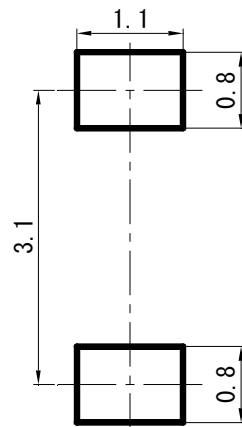
Panasonic

Mini2-F4-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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n the systems such as redundant design, arresting the spread of fire
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own and characteristics change due to external factors (ESD, EOS,
mounting or at customer's process. When using products for which
shelf life and the elapsed time since first opening the packages.

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