



DB2232000L
Silicon epitaxial planar type

For rectification

- Features
- Low forward voltage VF
 - Small reverse leakage current
 - Halogen-free / RoHS compliant
(EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

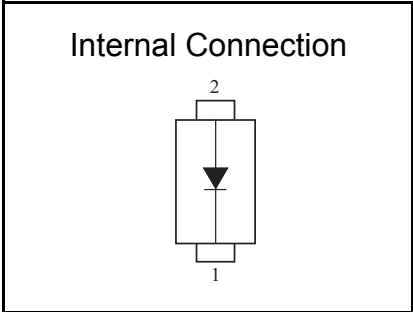
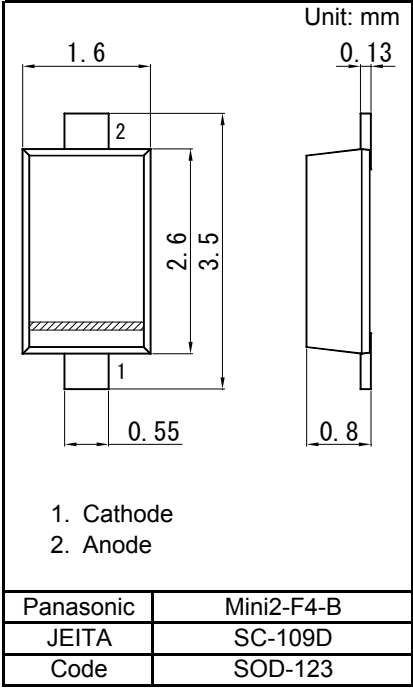
■ Marking Symbol: B5

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

■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Reverse voltage	VR	30	V
Repetitive peak reverse voltage	VRRM	30	V
Peak forward current	IF(AV)	1.5	A
Non-repetitive peak forward surge current *1	IFSM	30	A
Junction temperature	Tj	125	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +125	°C

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

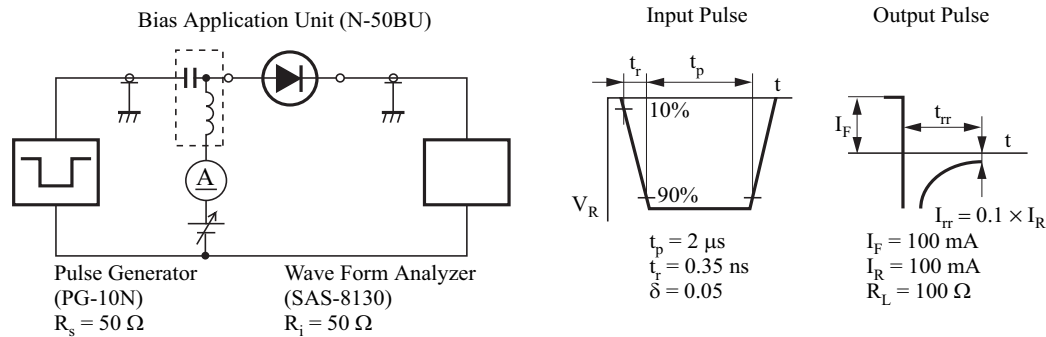




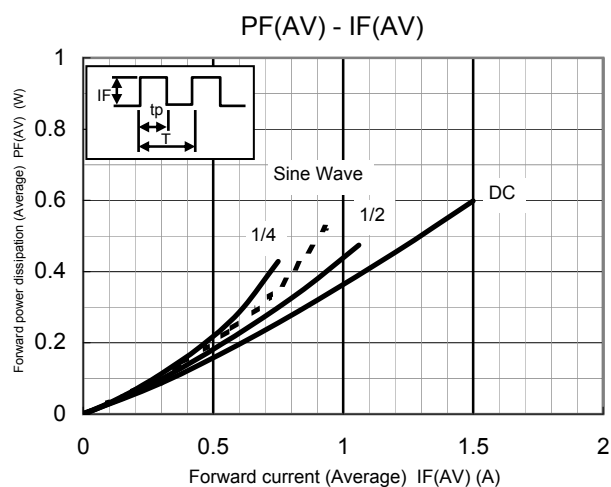
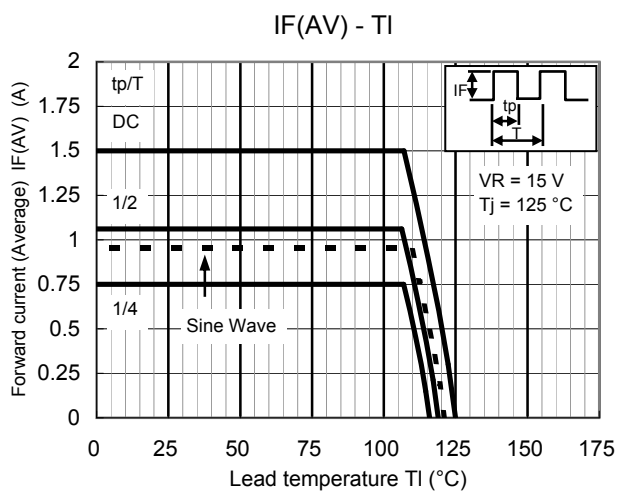
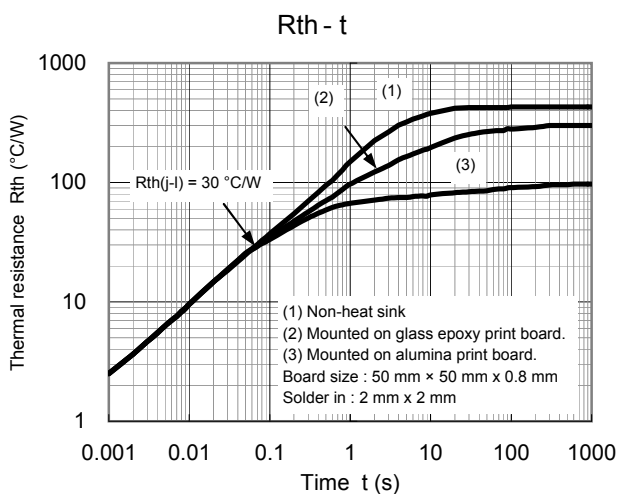
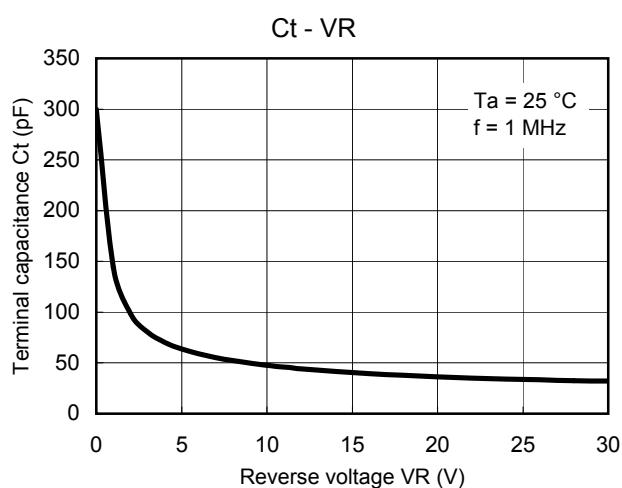
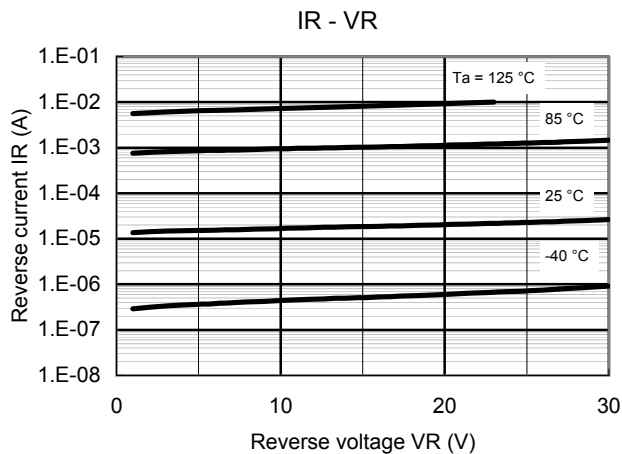
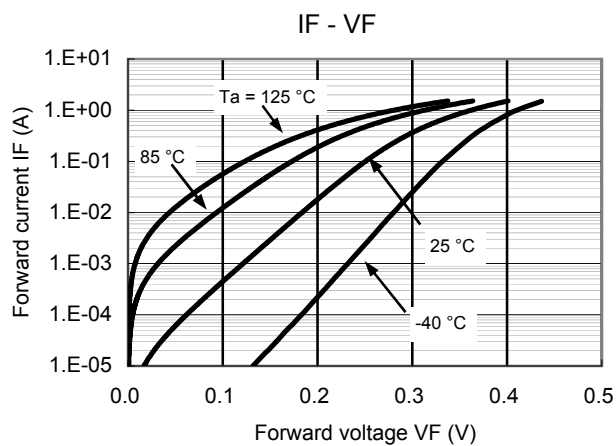
■ Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF1	IF = 0.5 A			0.38	V
	VF2	IF = 1.0 A			0.42	V
	VF3	IF = 1.5 A			0.46	V
Reverse current	IR	VR = 30 V			100	μA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		48		pF
Reverse recovery time *1	trr	IF = IR = 100 mA Irr = 0.1×IR, RL = 100 Ω		16		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



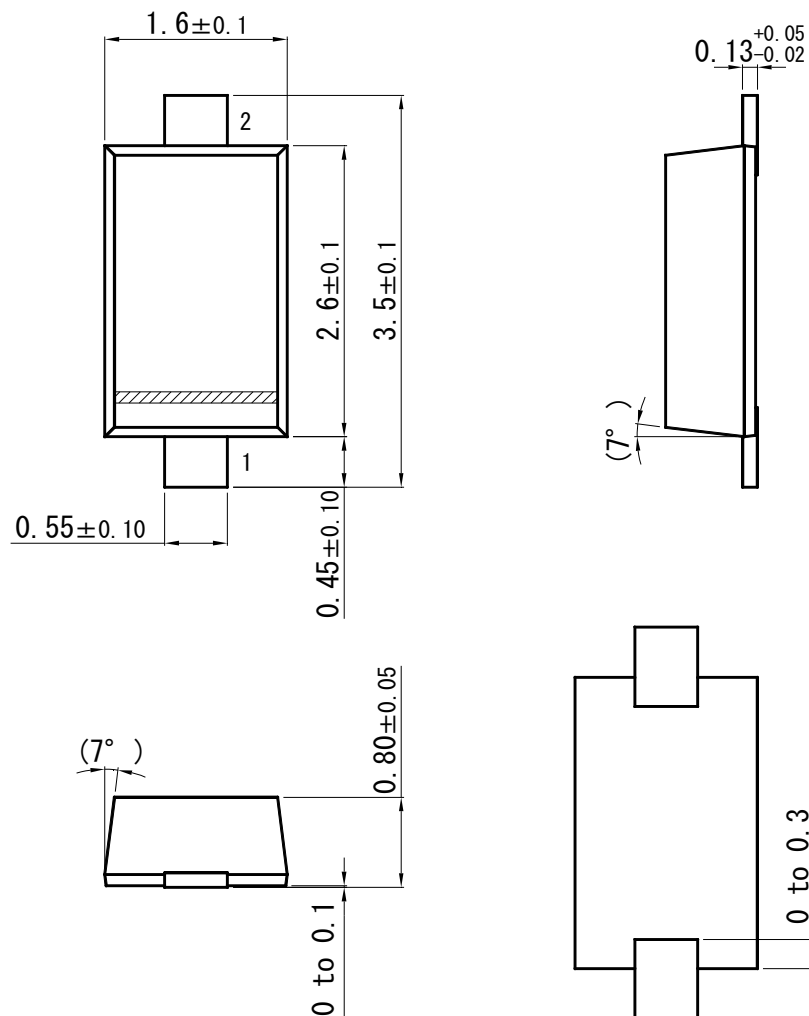
Technical Data (reference)



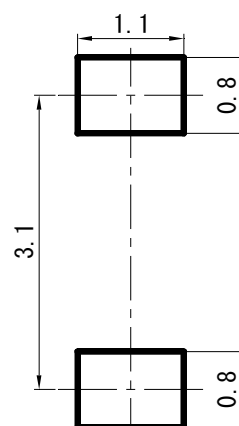
Panasonic

Mini2-F4-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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- (6) Comply with the instructions for use in order to prevent breakdown and characteristics change due to external factors (ESD, EOS, thermal stress and mechanical stress) at the time of handling, mounting or at customer's process. When using products for which damp-proof packing is required, satisfy the conditions, such as shelf life and the elapsed time since first opening the packages.
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