



DB2230400L
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: B4

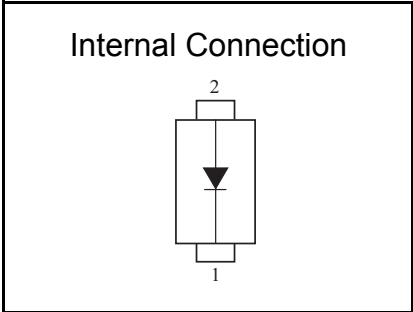
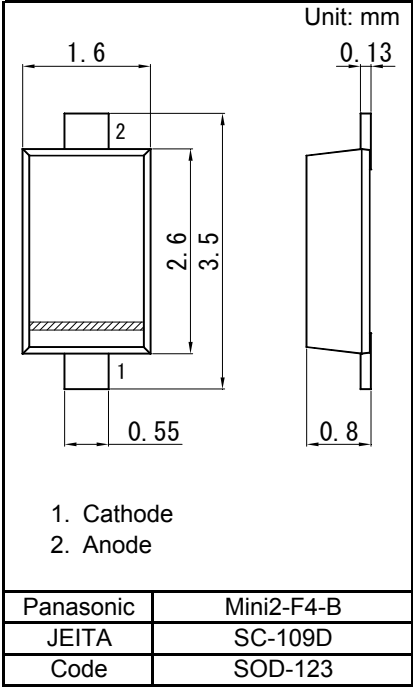
■ Packaging
Embossed type (Thermo-compression sealing) : 3 000 pcs / reel (standard)

■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Reverse voltage	VR	30	V
Maximum peak reverse voltage	VRM	30	V
Forward current (Average) ^{*1}	IF(AV)	1.0	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} TI = 80 °C

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

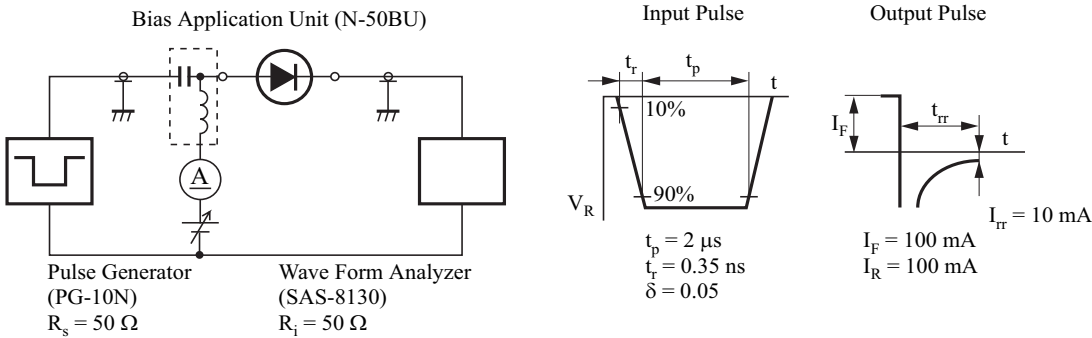




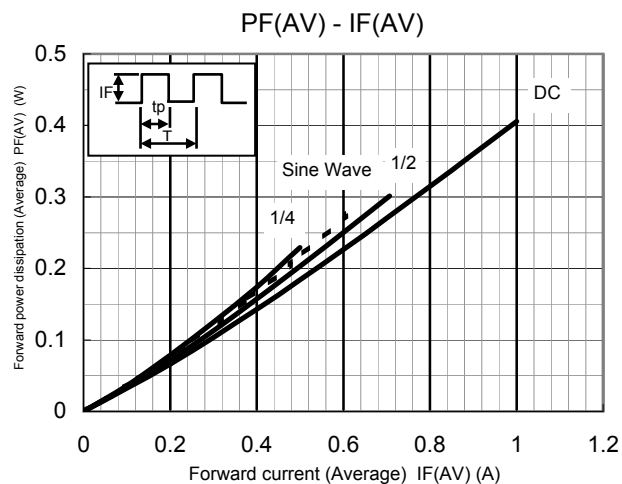
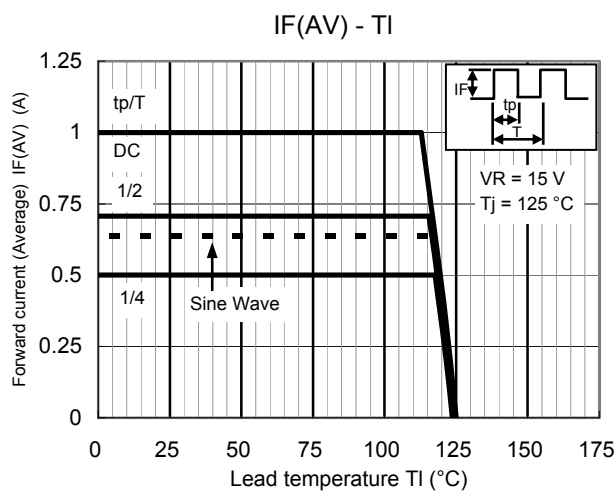
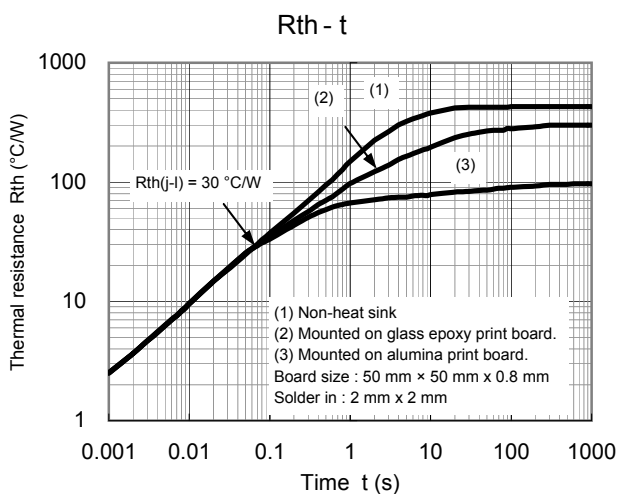
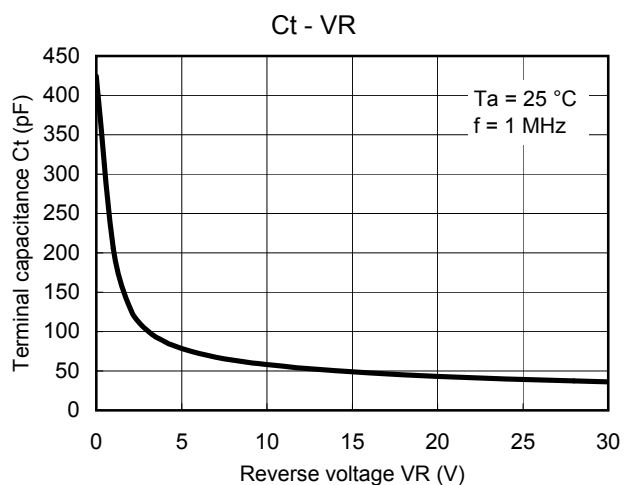
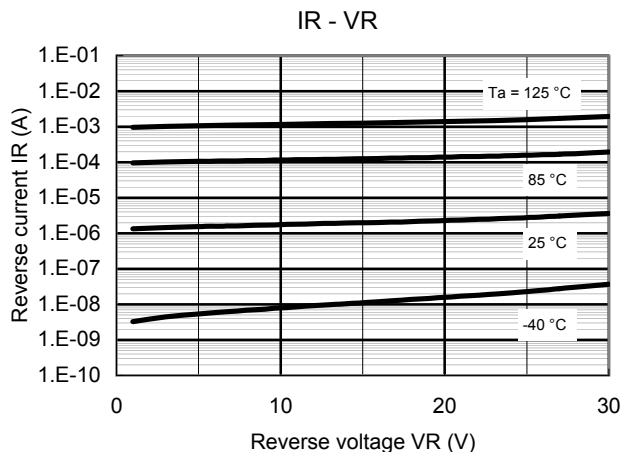
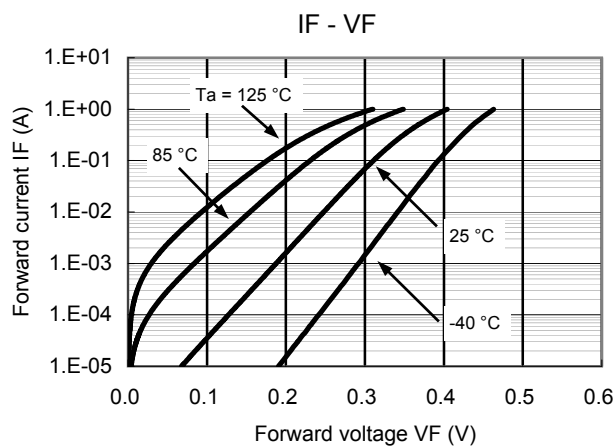
■ Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF1	IF = 0.5 A			0.46	V
	VF2	IF = 1.0 A			0.53	
Reverse current	IR	VR = 30V			30	μA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		59		pF
Reverse recovery time *1	trr	IF = IR = 100 mA, Irr = 10 mA		20		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



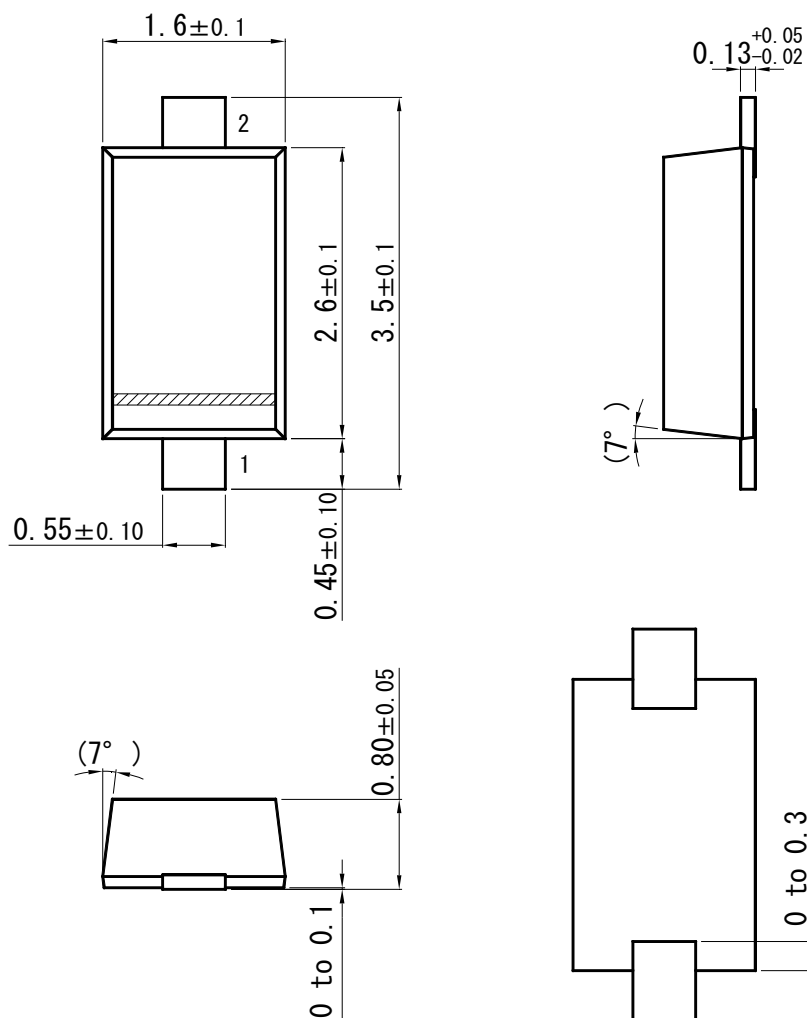
Technical Data (reference)



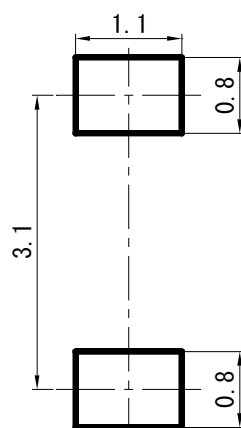
Panasonic

Mini2-F4-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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