



DB2S20500L
Silicon epitaxial planar type

For high frequency rectification

- Features
- Low forward voltage VF
 - Short reverse recovery time trr
 - Halogen-free / RoHS compliant
(EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

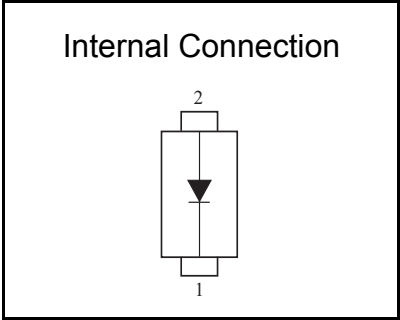
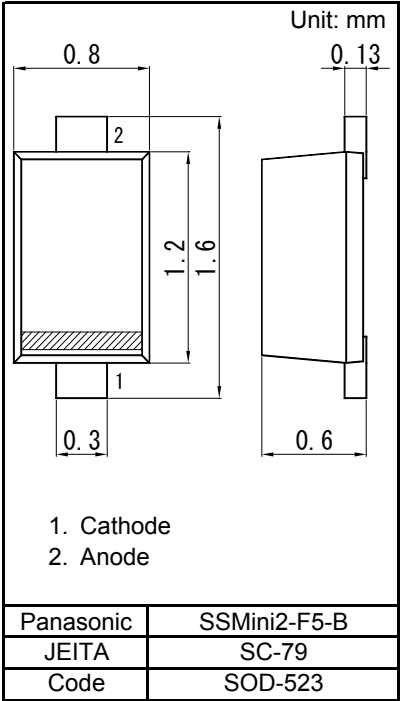
■ Marking Symbol: BA

■ 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	15	V
Forward current (Average)	IF(AV)	200	mA
Peak forward current	IFM	300	mA
Non-repetitive peak forward surge current *1	IFSM	1	A
Junction temperature	Tj	125	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +125	°C

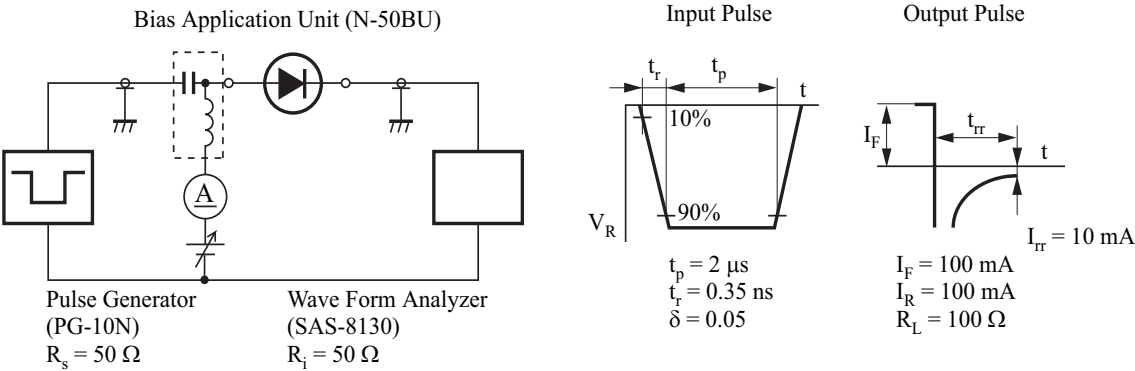
Note: *1: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)



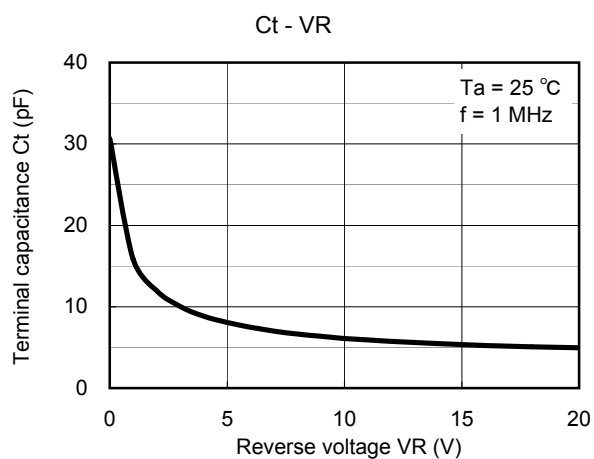
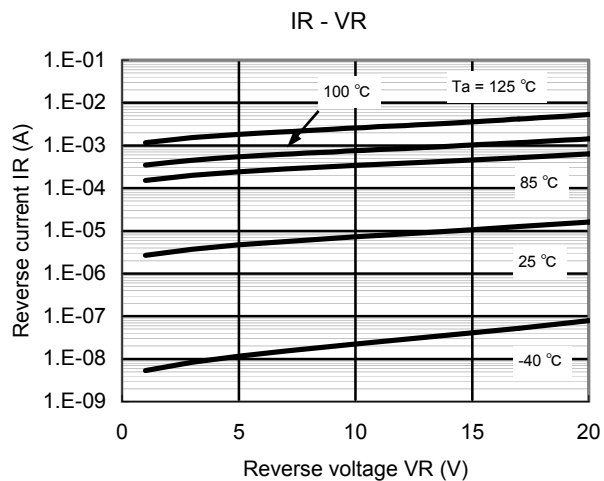
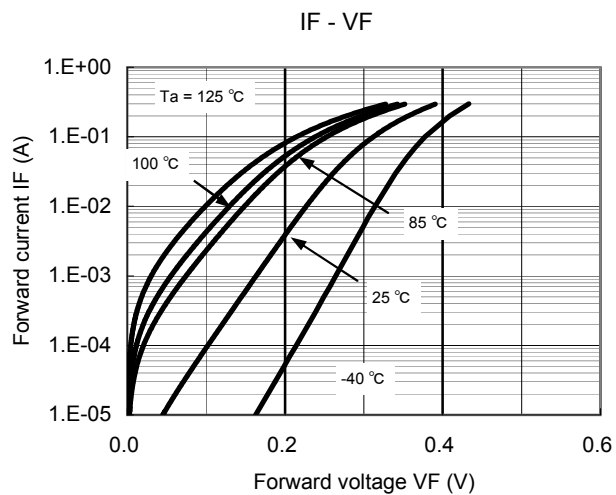
Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 200 mA			0.39	V
Reverse current	IR	VR = 6 V			50	μA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		6.1		pF
Reverse recovery time *1	trr	IF = IR = 100 mA, Irr = 10 mA RL = 100 Ω		2.2		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. Absolute frequency of input and output is 250 MHz.
 - 4. *1: trr test circuit



Technical Data (reference)

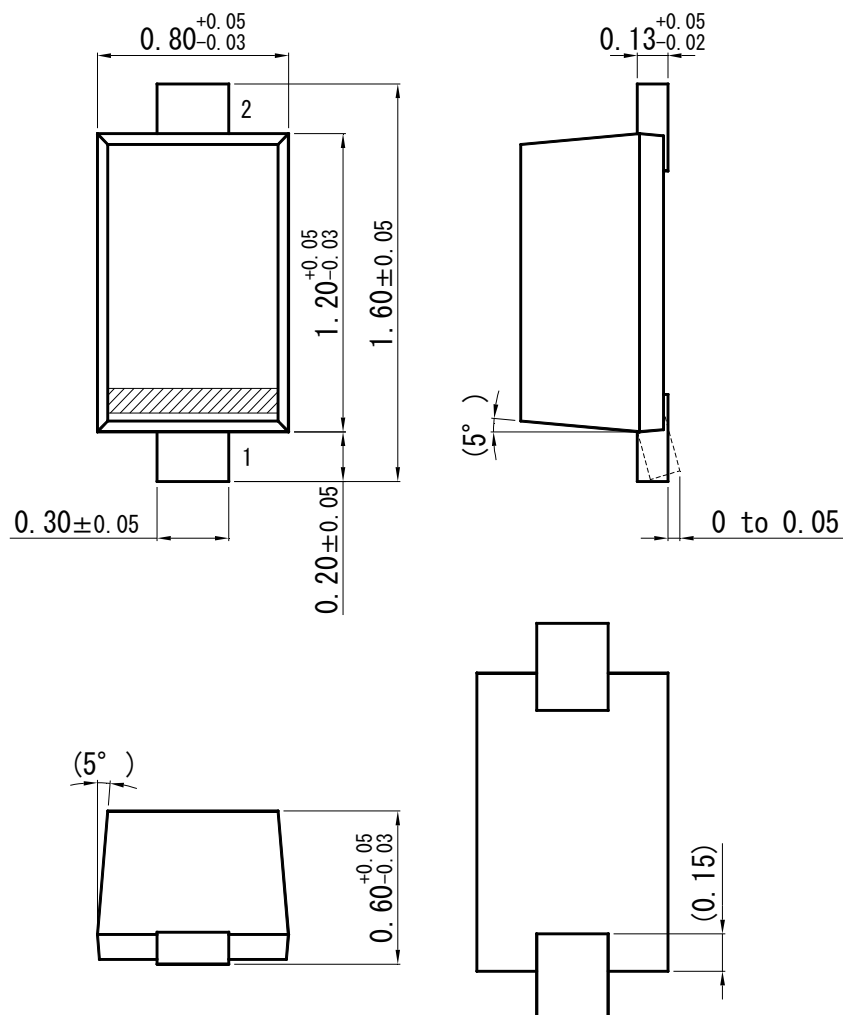


Panasonic

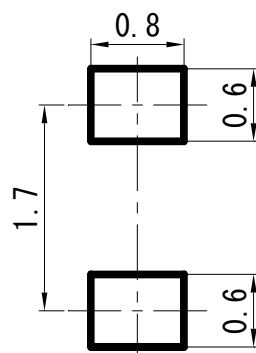
Schottky Barrier Diode
DB2S20500L

SSMini2-F5-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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