



DB3S406F0L
Silicon epitaxial planar type

For high speed switching circuits

■ Features

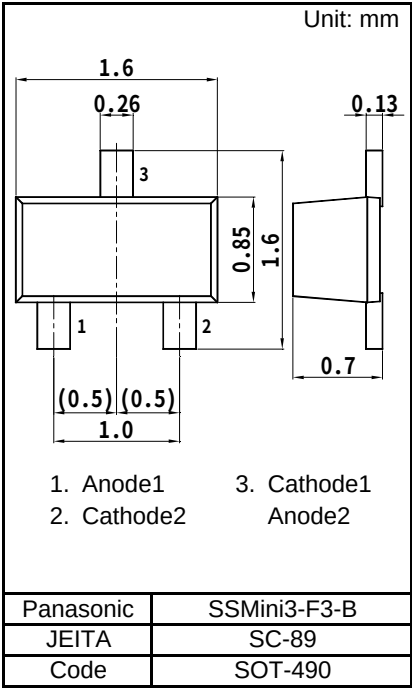
- Small reverse current IR
- Short reverse recovery time trr
- Halogen-free / RoHS compliant
(EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

■ Marking Symbol: 4V

■ Basic Part Number :
Dual DB2S406 (Series)

■ Packaging

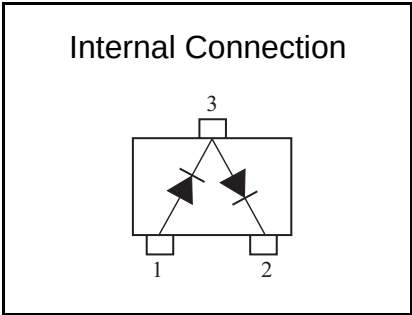
Embossed type (Thermo-compression sealing) : 3 000 pcs / reel (standard)



■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Reverse voltage	VR	40	V
Repetitive peak reverse voltage	VRRM	40	V
Forward current	Singie	IF	100
	Series		
Peak forward current	Singie	IFM	300
	Series		
Non-repetitive peak forward surge current *1	Singie	IFSM	1
	Series		
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)



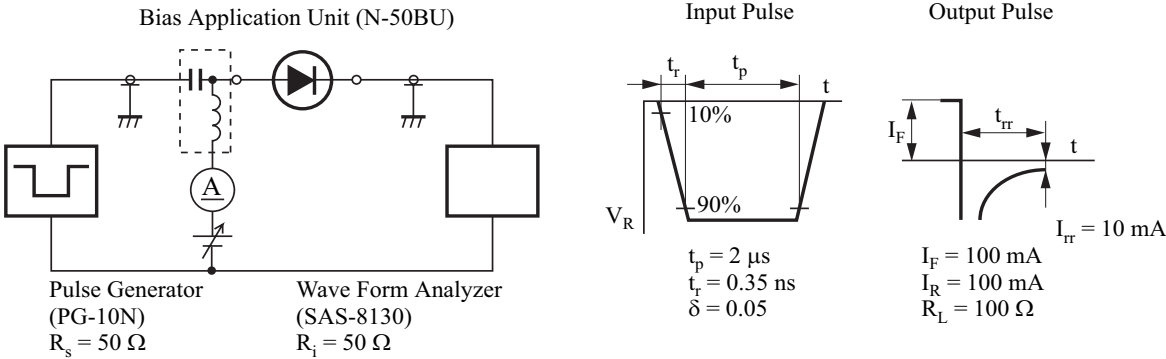
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Schottky Barrier Diode
DB3S406F0L

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 100 mA			0.6	V
Reverse current	IR	VR = 40 V			5	μA
Terminal capacitance	Ct	VR = 10 V, f = 1 MHz		2.2		pF
Reverse recovery time *1	trr	IF = IR = 100 mA, Irr = 10 mA RL = 100 Ω		0.9		ns

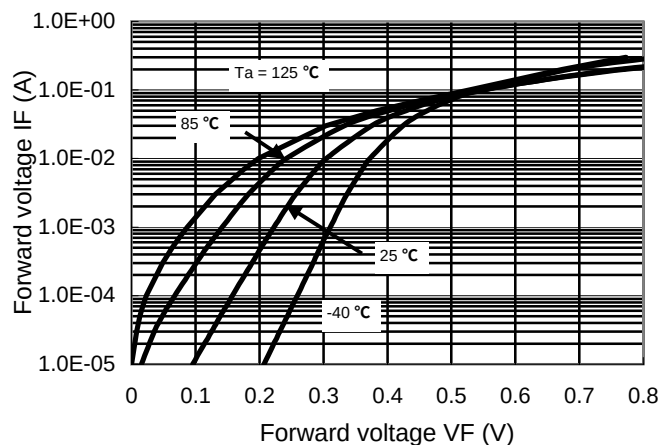
- Note:
- 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.
 - 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
 - 3. Absolute frequency of input and output is 250 MHz.
 - 4. *1 trr test circuit



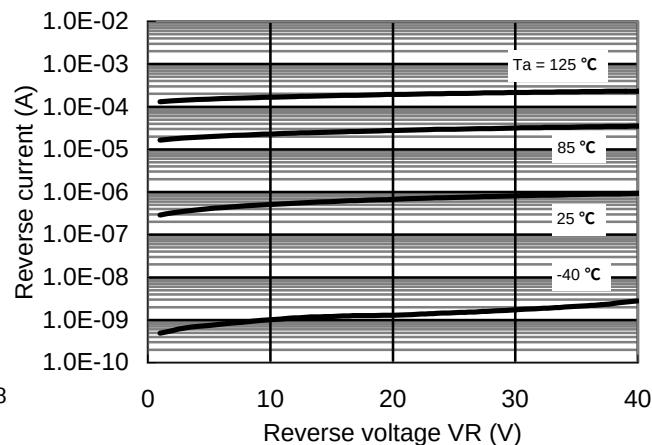


Technical Data (reference)

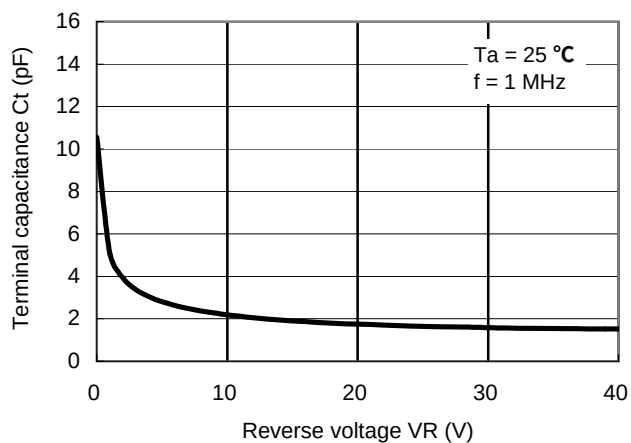
IF - VF



IR - VR



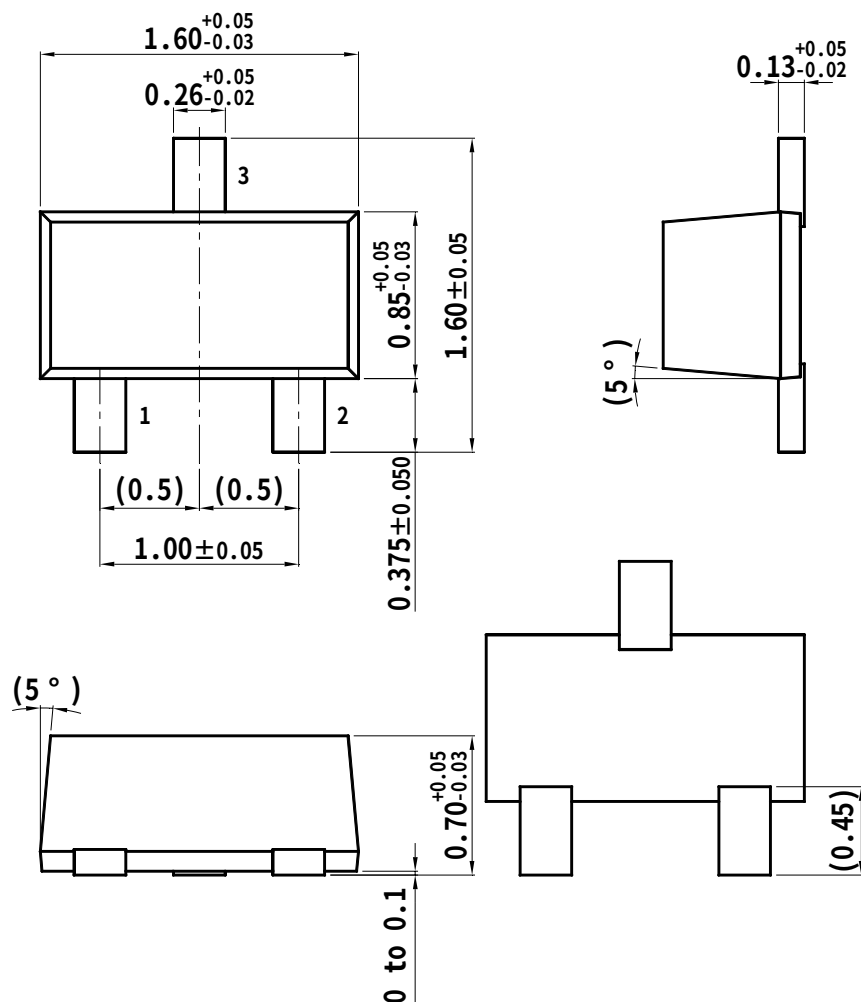
Ct - VR



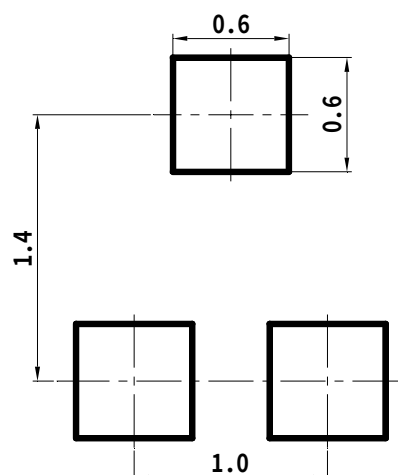
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SSMini3-F3-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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