Schottky Barrier Diode

#### DB3S406F0L

Unit: mm

0.7

3. Cathode1

Anode2

## DB3S406F0L

**Panasonic** 

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

Revised

: 2013-12-13

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

Panasonic SSMini3-F3-B
JEITA SC-89
Code SOT-490

0.26

(0.5)(0.5)

1.0

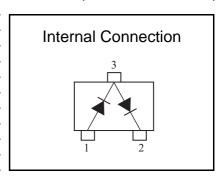
1. Anode1

2. Cathode2

■ 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	mA
	Series	11	75	mA
Peak forward current	Singie	IFM	300	mA
reak lorward current	Series	IIIVI	225	mA
Non-repetitive peak	Singie	IFSM	1	Α
forward surge current *1	Series	IFSIVI	0.75	Α
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 ve	luo in ono ovolo	of EO Uz oir	o wove (non rone	titivo)

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



Established: 2010-03-24

Schottky Barrier Diode

### DB3S406F0L

## **Panasonic**

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

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

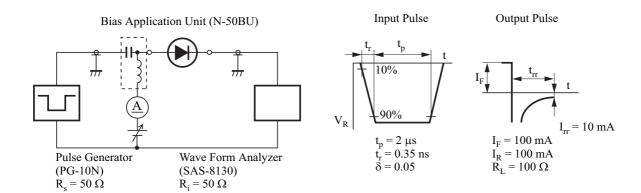
Note: 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.

- 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

Established: 2010-03-24

Revised

: 2013-12-13



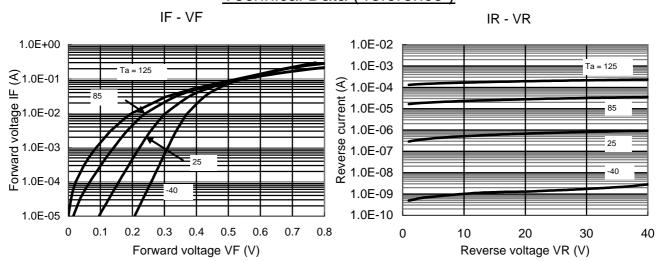
**Panasonic** 

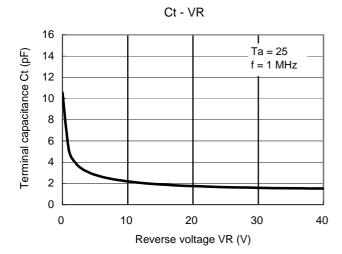
Revision. 2

Schottky Barrier Diode

DB3S406F0L

## Technical Data (reference)



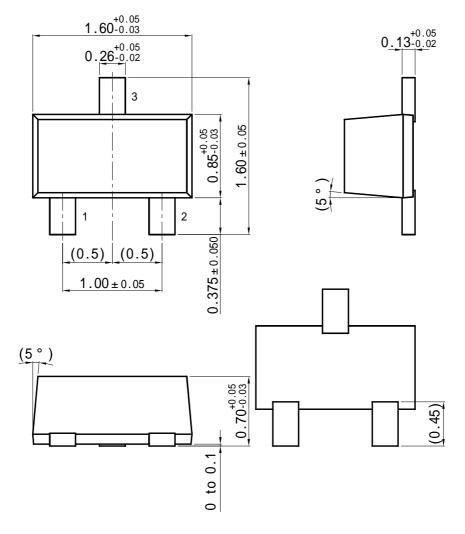


Established: 2010-03-24 Revised: 2013-12-13

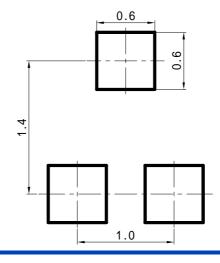
# **Panasonic**

SSMini3-F3-B

Unit: mm



#### ■ Land Pattern (Reference) (Unit: mm)



Established: 2010-03-24 Revised: 2013-12-13

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