Package

Pin Name

1: Cathode 2: Anode

Marking Symbol: C2

SSMini2-F5-B

• Code

# DB2S308

### Silicon epitaxial planar type

#### For high speed switching circuits

#### Features

- Short reverse recovery time t<sub>rr</sub>
- Low forward voltage V<sub>F</sub>
- Contributes to miniaturization of sets, reduction of component count.
- Eco-friendly Halogen-free package

#### Packaging

Embossed type (Thermo-compression sealing): 3000 pcs / reel (standard)

#### Absolute Maximum Ratings $T_a = 25^{\circ}C$

Parameter	Symbol	Rating	Unit	
Reverse voltage	V <sub>R</sub>	30	V	
Repetitive peak reverse voltage	V <sub>RRM</sub>	30	V	
Forward current (Average)	I <sub>F(AV)</sub>	100	mA	
Peak forward current	I <sub>FM</sub>	200	mA	
Non-repetitive peak forward surge current *	I <sub>FSM</sub>	1	А	
Junction temperature	Tj	125	°C	
Storage temperature	T <sub>stg</sub>	-55 to +125	°C	

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

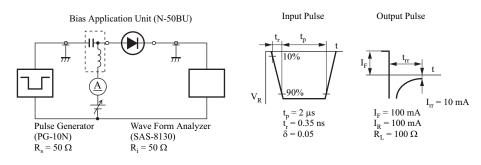
#### Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V <sub>F1</sub>	$I_F = 10 \text{ mA}$			0.29	V
	V <sub>F2</sub>	$I_F = 100 \text{ mA}$			0.42	
Reverse current	I <sub>R1</sub>	$V_{\rm R} = 10  {\rm V}$			25	μA
	I <sub>R2</sub>	$V_R = 30 V$			120	
Terminal capacitance	Ct	$V_{\rm R} = 10 \text{ V}, \text{ f} = 1 \text{ MHz}$		2.9		pF
Reverse recovery time *	t <sub>rr</sub>	$I_F = I_R = 100 \text{ mA}, I_{rr} = 10 \text{ mA},$ $R_L = 100 \Omega$		1.3		ns

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

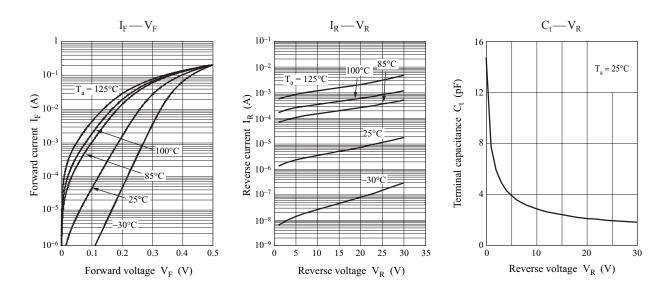
2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

- 3. Absolute frequency of input and output is 250 MHz
- \*: t<sub>rr</sub> measurement circuit



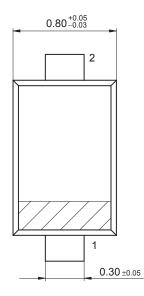
### DB2S308

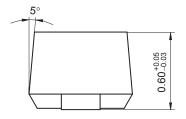
## **Panasonic**

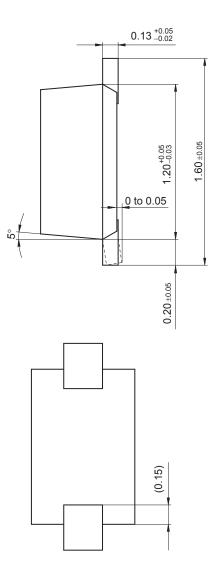


SSMini2-F5-B

Unit: mm







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