# **DB2W604**

# Silicon epitaxial planar type

#### For rectification

#### ■ Features

- P<sub>D</sub> = 1W achieved with a printed circuit board.
- Small reverse current I<sub>R</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)

#### ■ Package

Code

Mini2-F3-B

- Pin Name
  - 1: Cathode
  - 2: Anode

#### ■ Marking Symbol: CD

## ■ Absolute Maximum Ratings $T_a = 25$ °C

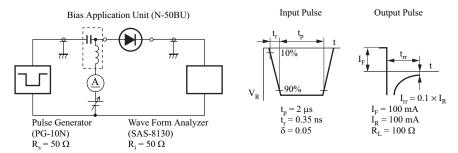
Parameter	Symbol	Rating	Unit	
Reverse voltage	$V_R$	60	V	
Forward current (Average) *1	I <sub>F(AV)</sub>	2	A	
Non-repetitive peak forward surge current *2	I <sub>FSM</sub>	30	A	
Junction temperature	$T_j$	150	°C	
Storage temperature	T <sub>stg</sub>	-55 to +150	°C	

Note) \*1:  $T_1 = 60^{\circ}C$ 

### ■ Electrical Characteristics $T_a = 25$ °C±3°C

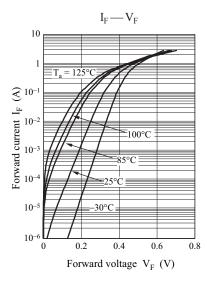
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V <sub>F</sub>	$I_F = 2 A$		0.59	0.66	V
Reverse current	$I_R$	$V_R = 60 \text{ V}$			300	μΑ
Terminal capacitance	Ct	$V_R = 10 \text{ V}, f = 1 \text{ MHz}$		38		pF
Reverse recovery time *	t <sub>rr</sub>	$\begin{aligned} & I_F = 100 \text{ mA}, \ I_{rr} = 0.1 \times I_R \ , \\ & R_L = 100 \ \Omega \end{aligned}$		12		ns

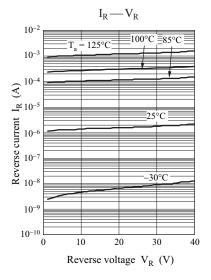
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
  - 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
  - 3. \*: t<sub>rr</sub> measurement circuit

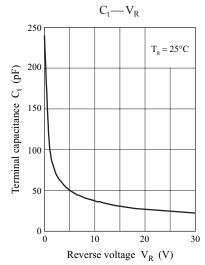


<sup>\*2: 50</sup> Hz sine wave 1 cycle (Non-repetitive peak current)

DB2W604 Panasonic

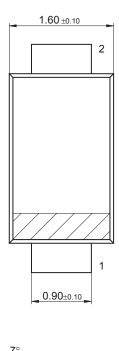


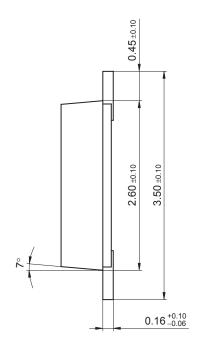


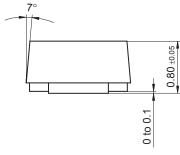


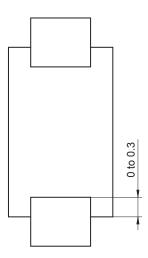
2 Ver. BED

Mini2-F3-B Unit: mm









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