DB24416

Silicon epitaxial planar type

For rectification

■ Features

- ullet Low forward voltage V_F
- Forward current (Average) I_{F(AV)} = 3 A rectification is possible
- 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 $T_a = 25$ °C

| Parameter | Symbol Rating | | Unit | |
|--|--------------------|-------------|------|--|
| Reverse voltage | V_R | 40 | V | |
| Forward current (Average) *1 | I _{F(AV)} | 3.0 | A | |
| Non-repetitive peak forward surge current *2 | I_{FSM} | 50 | A | |
| Junction temperature | T_j | 125 | °C | |
| Storage temperature | T _{stg} | -55 to +125 | °C | |

Note) *1: Mounted on an alumina PC board (Board: 50 mm × 50 mm)

■ Package

• Code

TMiniP2-F2-B

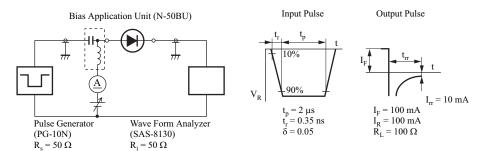
- Pin Name
 - 1: Cathode
 - 2: Anode
- Marking Symbol: 4P

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

| Parameter | Symbol | Conditions | Min | Тур | Max | Unit |
|-------------------------|-----------------|--|-----|------|------|------|
| Forward voltage | V _F | $I_F = 3.0 A$ | | 0.40 | 0.45 | V |
| Reverse current | I_R | $V_R = 40 V$ | | 60 | 300 | μΑ |
| Terminal capacitance | Ct | $V_R = 10 \text{ V}, f = 1 \text{ MHz}$ | | 95 | | pF |
| Reverse recovery time * | t _{rr} | $I_F = I_R = 100 \text{ mA}, I_{rr} = 10 \text{ mA},$ $R_L = 100 \Omega$ | | 30 | | ns |

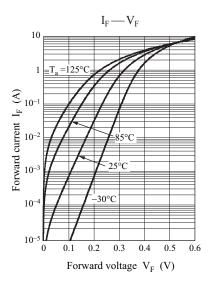
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

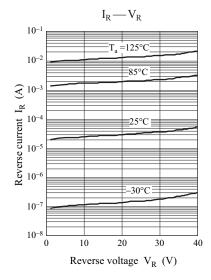
- 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
- 3. *: t_{rr} measurement circuit

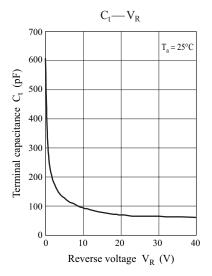


^{*2: 50} Hz sine wave 1 cycle (Non-repetitive peak current)

DB24416 Panasonic



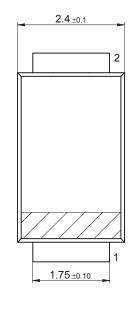


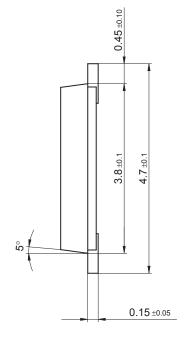


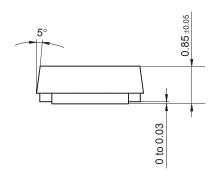
2 Ver. AED

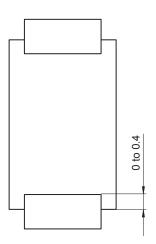
TMiniP2-F2-B

Unit: mm









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