

# DA2J001 (Tentative)

## Silicon epitaxial planar type

For band switching

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

| Parameter                       | Symbol    | Rating      | Unit             |
|---------------------------------|-----------|-------------|------------------|
| Reverse voltage                 | $V_R$     | 35          | V                |
| Forward current                 | $I_F$     | 100         | mA               |
| Operating ambient temperature * | $T_{opr}$ | -25 to +85  | $^\circ\text{C}$ |
| Storage temperature             | $T_{stg}$ | -55 to +150 | $^\circ\text{C}$ |

Note) \*: Maximum ambient temperature during operation.

### ■ Package

- Code  
SMini2-F5-B
- Pin Name  
1: Cathode  
2: Anode

### ■ Marking Symbol: D1

### ■ Electrical Characteristics $T_a = 25^\circ\text{C}$

| Parameter                    | Symbol | Conditions                              | Min | Typ | Max  | Unit     |
|------------------------------|--------|-----------------------------------------|-----|-----|------|----------|
| Forward voltage              | $V_F$  | $I_F = 100\text{ mA}$                   |     |     | 1.0  | V        |
| Reverse current              | $I_R$  | $V_R = 33\text{ V}$                     |     |     | 100  | nA       |
| Diode capacitance            | $C_D$  | $V_R = 6\text{ V}, f = 1\text{ MHz}$    |     |     | 1.2  | pF       |
| Forward dynamic resistance * | $r_f$  | $I_F = 2\text{ mA}, f = 100\text{ MHz}$ |     |     | 0.85 | $\Omega$ |

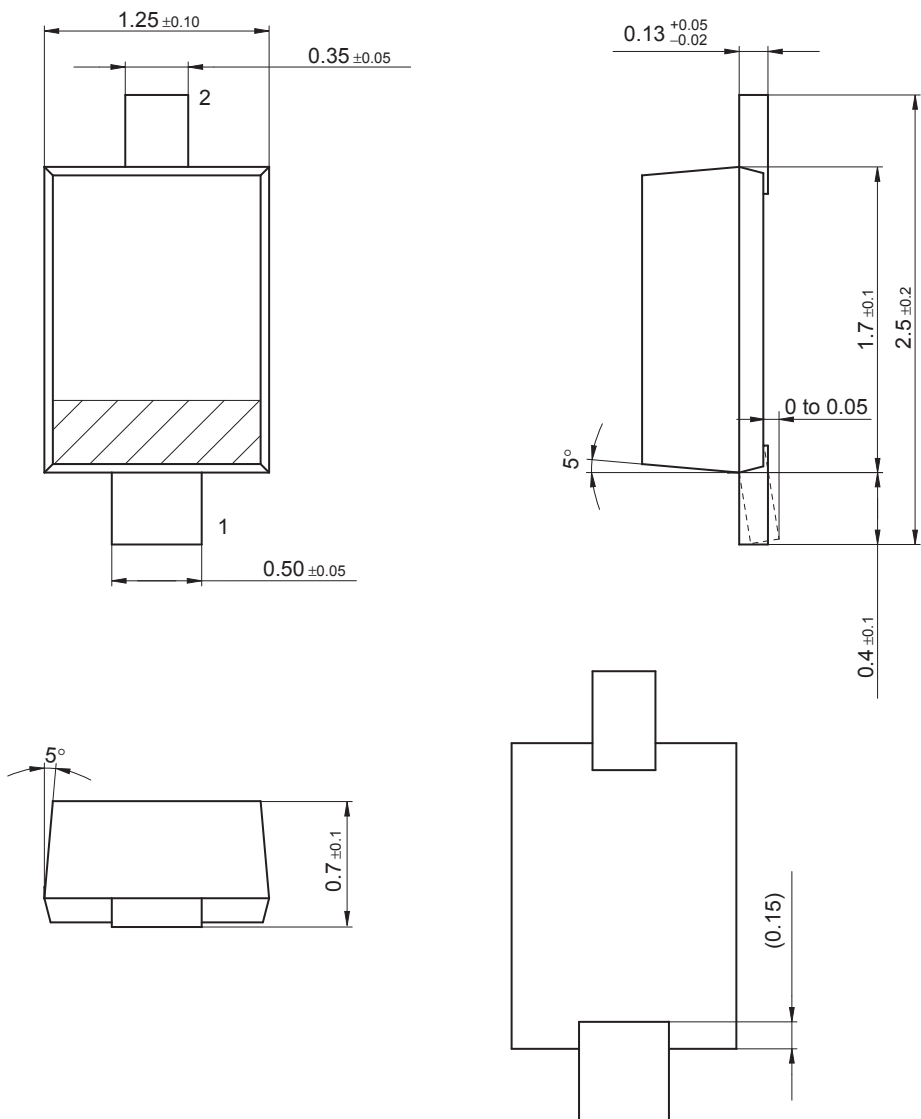
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

2. Absolute frequency of input and output is 100 MHz

3. \*: Measuring instrument: YHP 4191A RF IMPEDANCE ANALYZER

# SMini2-F5-B

Unit: mm



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