# DA2J108

## Silicon epitaxial planar type

For small current recitification

### ■ Features

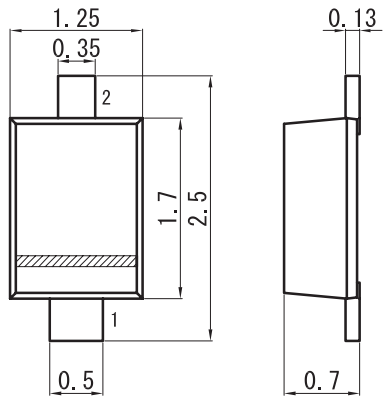
- High reverse voltage $V_R$
- Small reverse current $I_R$
- Halogen-free / RoHS compliant
  (EU RoHS / UL-94 V-0 / MSL: Level 1 compliant)

### ■ Marking Symbol: A2

### ■ Packaging

DA2J10800L Embossed type (Thermo-compression sealing): 3 000 pcs / reel (standard)

Unit: mm




1: Cathode
2: Anode

| | |
|---|---|
| Panasonic | SMini2-F5-B |
| JEITA | SC-90A |
| Code | — |

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

| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Reverse voltage | $V_R$ | 300 | V |
| Maximum peak reverse voltage | $V_{RM}$ | 300 | V |
| Output current (Average) | $I_{O(AV)}$ | 200 | mA |
| Repetitive peak forward current | $I_{FRM}$ | 600 | mA |
| Non-repetitive peak forward surge current *1 | $I_{FSM}$ | 1 | A |
| Junction temperature | $T_j$ | 150 | °C |
| Storage temperature | $T_{stg}$ | −55 to +150 | °C |

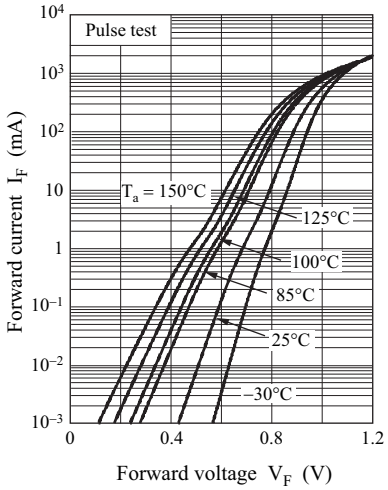
Note) *1: t = 1 s

### ■ Electrical Characteristics $T_a = 25°C \pm 3°C$

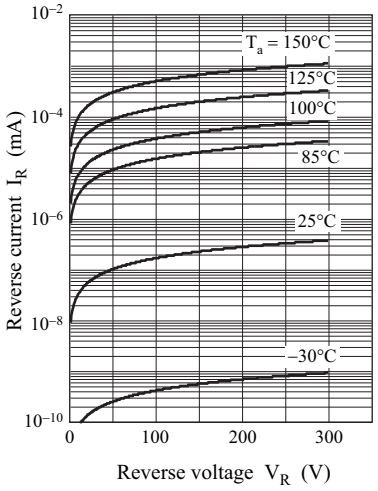
| Parameter | Symbol | Conditions | Min | Typ | Max | Unit |
|---|---|---|---|---|---|---|
| Forward voltage | $V_F$ | $I_F = 200$ mA | | | 1.2 | V |
| Reverse current | $I_{R1}$ | $V_R = 200$ V | | | 200 | nA |
| | $I_{R2}$ | $V_R = 300$ V | | | 1 | μA |
| Terminal capacitance | $C_t$ | $V_R = 0$ V, f = 1 MHz | | 3.5 | | pF |

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 3 MHz

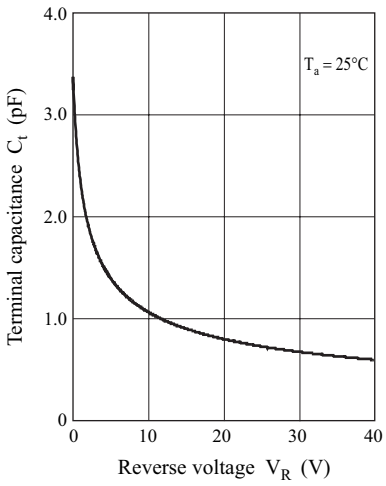
$I_F$ — $V_F$




$I_R$ — $V_F$

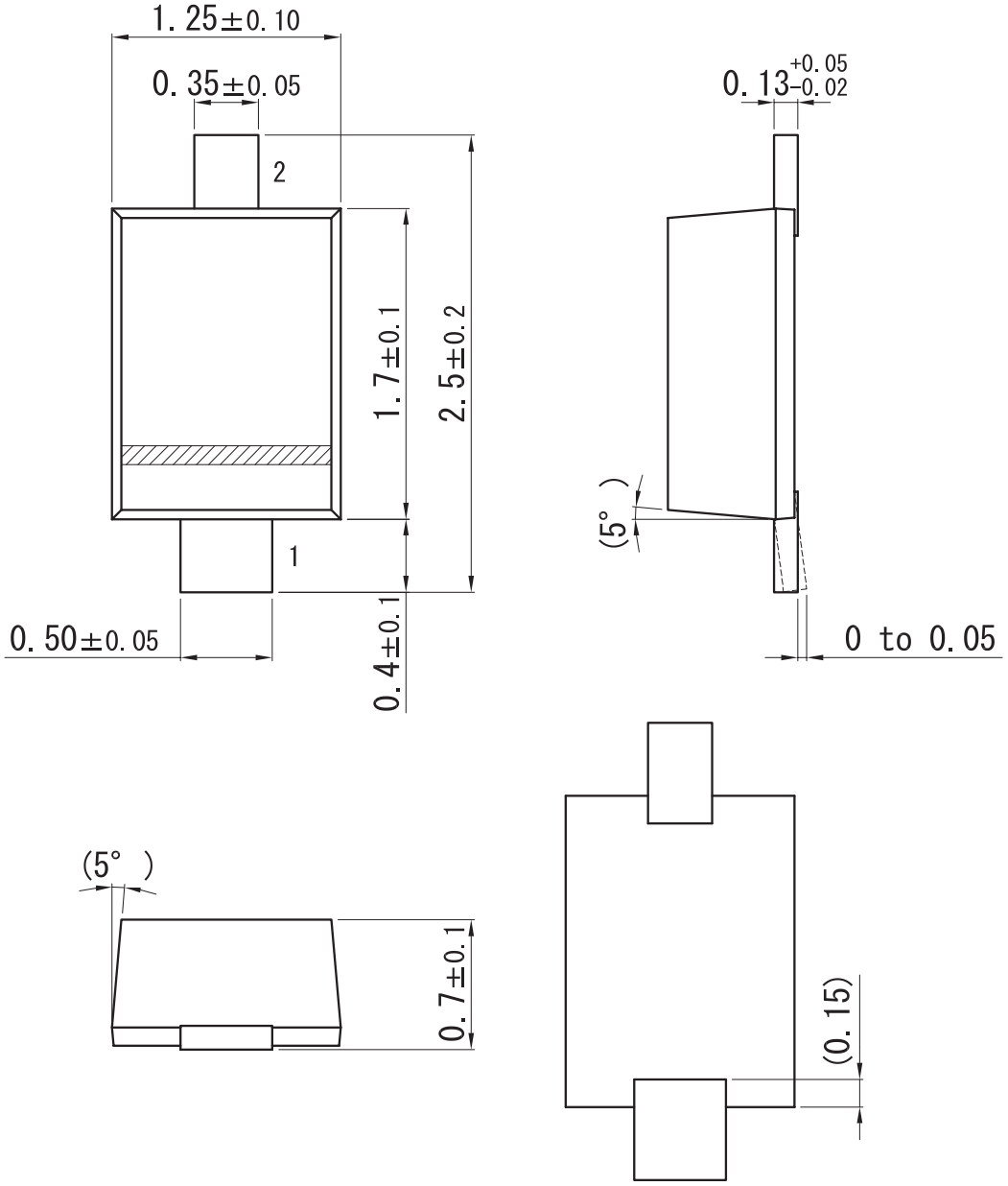



$C_t$ — $V_R$

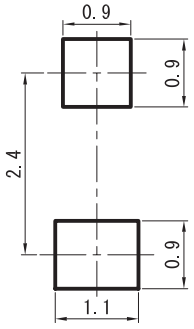


## SMini2-F5-B

Unit: mm




■ Land Pattern (Reference) (Unit: mm)



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