

Schottky barrier diode

RB481Y-90

●Applications

Low current rectification

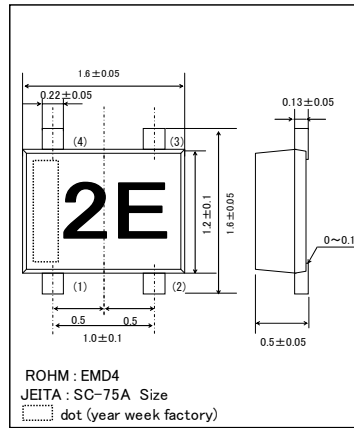
●Features

- 1) Ultra small mold type. (EMD4)
- 2) Low V_F
- 3) High reliability

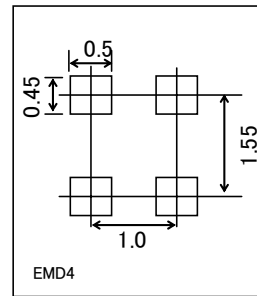
●Construction

Silicon epitaxial planar

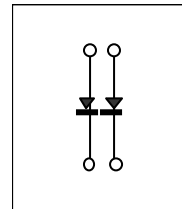
●Dimensions (Unit : mm)



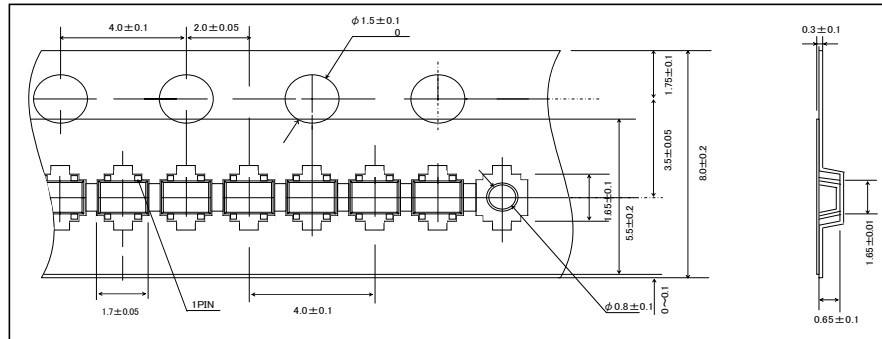
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

| Parameter | Symbol | Limits | Unit |
|---|-----------|-------------|------|
| Reverse voltage (repetitive peak) | V_{RM} | 90 | V |
| Reverse voltage (DC) | V_R | 90 | V |
| Average rectified forward current (*1) | I_o | 100 | mA |
| Forward current surge peak (60Hz·1cyc) (*1) | I_{FSM} | 1 | A |
| Junction temperature | T_j | 125 | °C |
| Storage temperature | T_{stg} | -40 to +125 | °C |

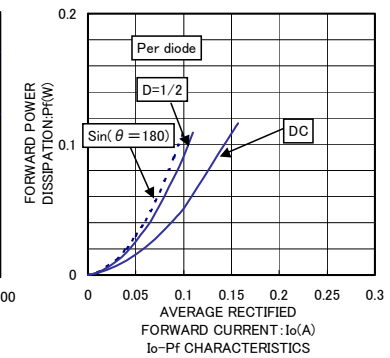
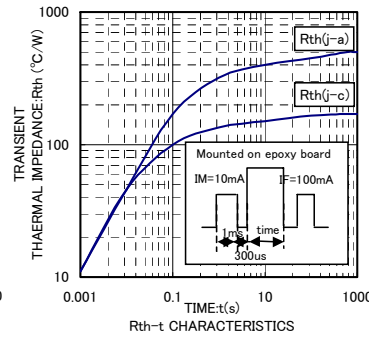
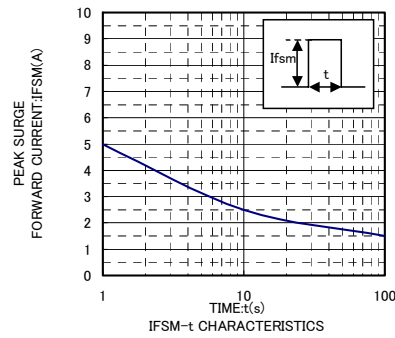
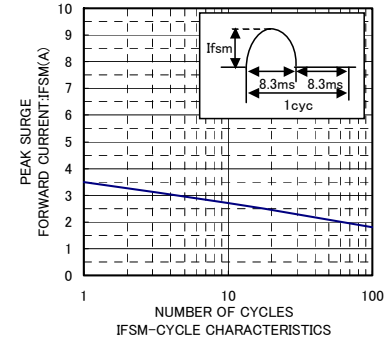
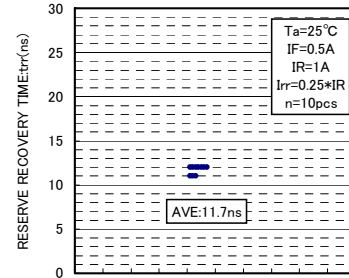
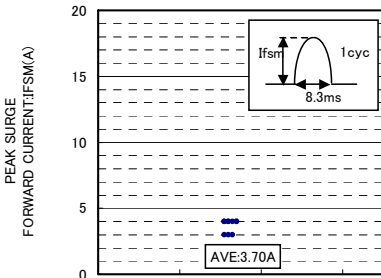
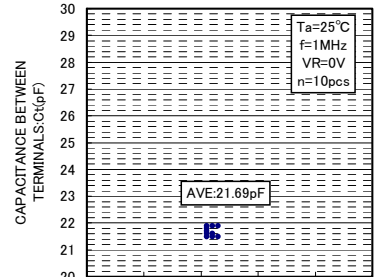
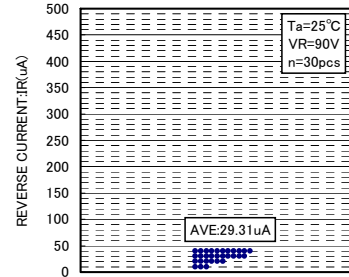
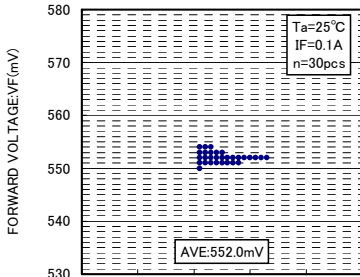
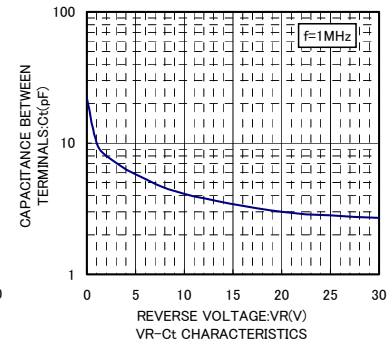
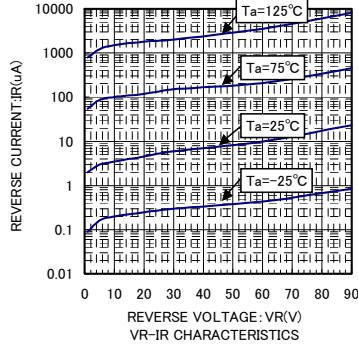
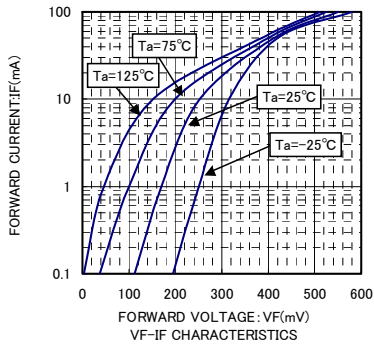
(*1) Rating of per diode

●Electrical characteristic (Ta=25°C)

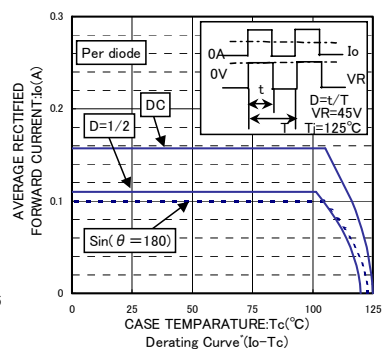
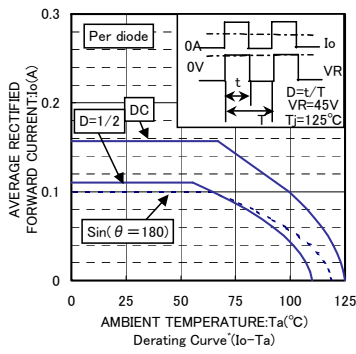
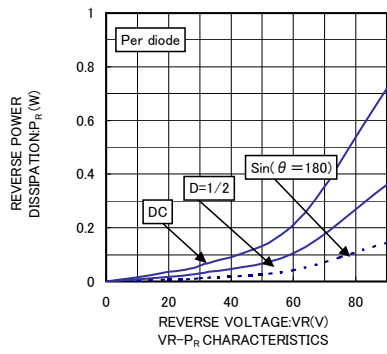
| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-----------------|--------|------|------|------|---------|-------------|
| Forward voltage | V_F | - | 0.55 | 0.61 | V | $I_F=100mA$ |
| Reverse current | I_R | - | 20 | 100 | μA | $V_R=90V$ |

Diodes

●Electrical characteristic curves



Diodes



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