

Schottky Barrier Diode

RB521ZS-30

●Applications

General rectification

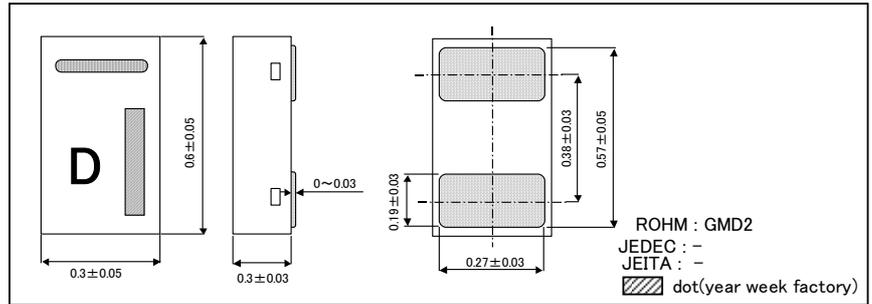
●Features

- 1) Ultra small mold type. (GMD2)
- 2) Low V_f
- 3) High reliability

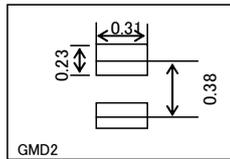
●Construction

Silicon epitaxial planar

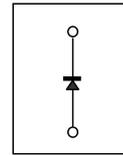
●Dimensions (Unit : mm)



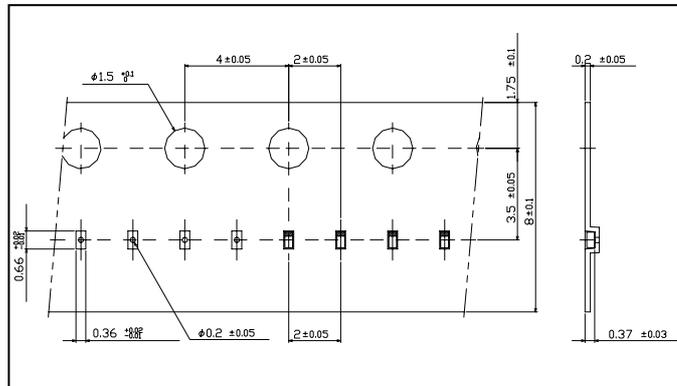
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

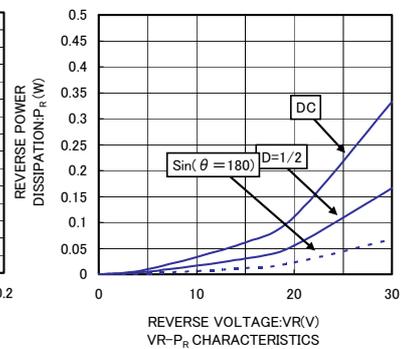
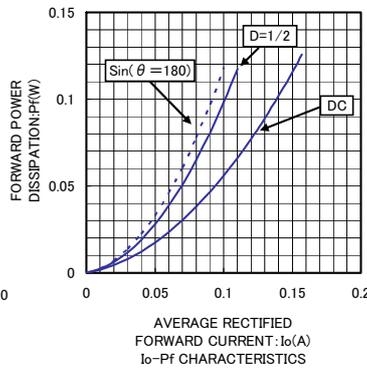
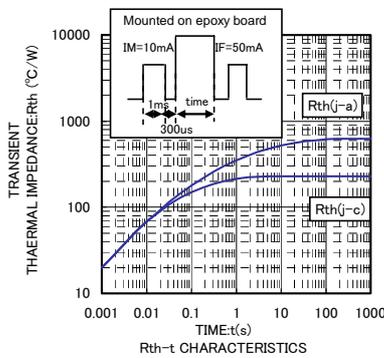
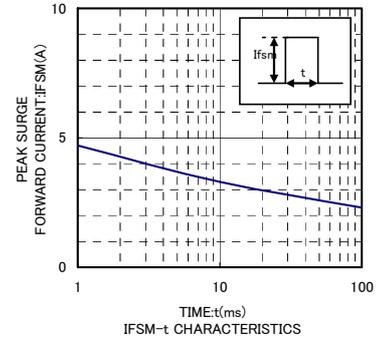
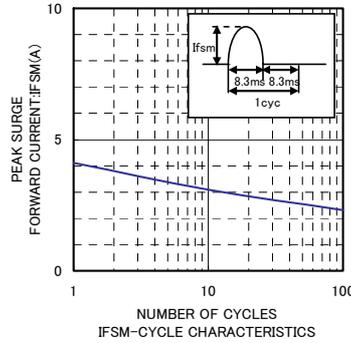
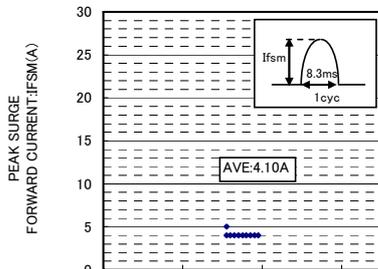
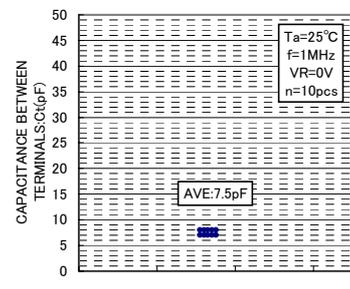
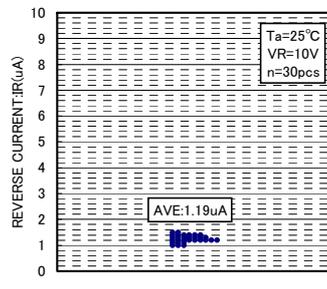
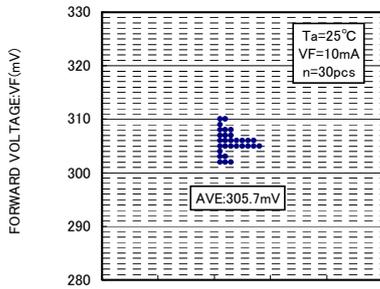
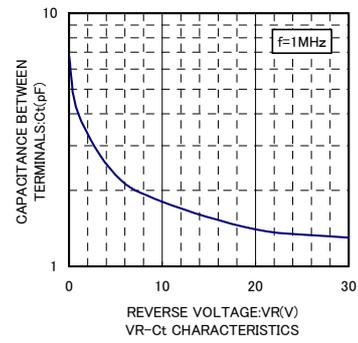
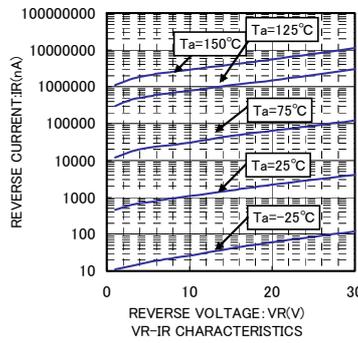
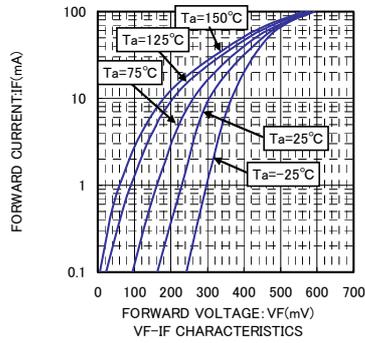
| Parameter | Symbol | Limits | Unit |
|--|-----------|-------------|------|
| Reverse voltage (DC) | V_R | 30 | V |
| Average rectified forward current | I_o | 100 | mA |
| Forward current surge peak (60Hz·1cyc) | I_{FSM} | 500 | mA |
| Junction temperature | T_j | 150 | °C |
| Storage temperature | T_{stg} | -40 to +150 | °C |

●Electrical characteristic (Ta=25°C)

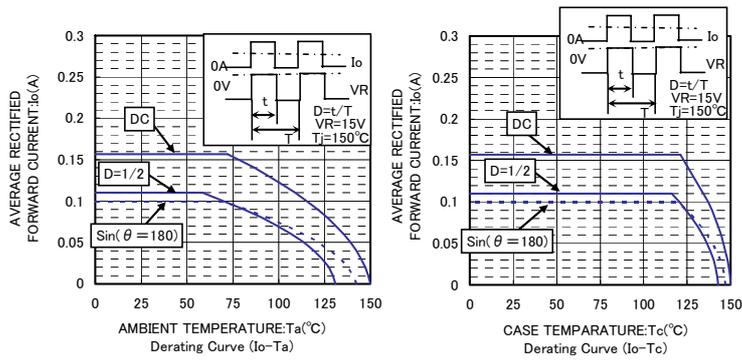
| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-----------------|--------|------|------|------|---------|------------|
| Forward voltage | V_F | - | - | 0.37 | V | $I_F=10mA$ |
| Reverse current | I_R | - | - | 7 | μA | $V_R=10V$ |

Diodes

●Electrical characteristic curves



Diodes



Notes

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