

Schottky barrier diode

RB201A60

●Applications

General rectification

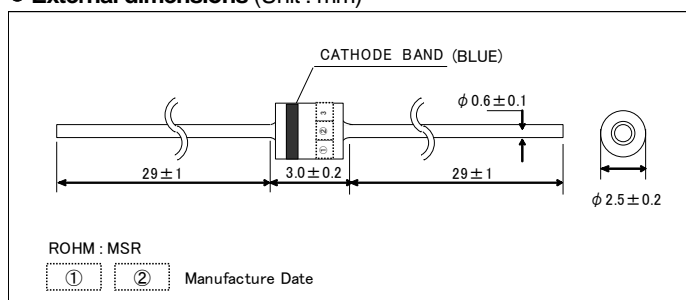
●Features

- 1) Cylindrical mold type.(MSR)
- 2) Low V_F .
- 3) High ESD.

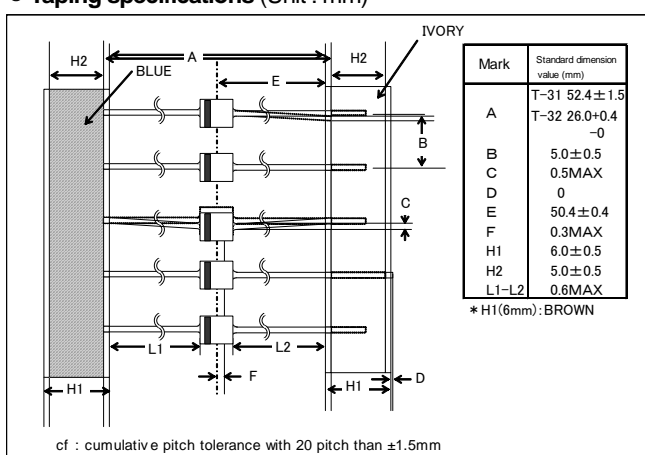
●Construction

Silicon epitaxial planar

● External dimensions (Unit : mm)



● Taping specifications (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

| Parameter | Symbol | Limits | Unit |
|--|-----------|-------------|------|
| Reverse voltage (repetitive peak) | V_{RM} | 60 | V |
| Reverse voltage (DC) | V_R | 60 | V |
| Average rectified forward current (*1) | I_o | 2 | A |
| Forward current surge peak (t=100μs) | I_{FSM} | 40 | A |
| Junction temperature | T_j | 150 | °C |
| Storage temperature | T_{stg} | -55 to +150 | °C |

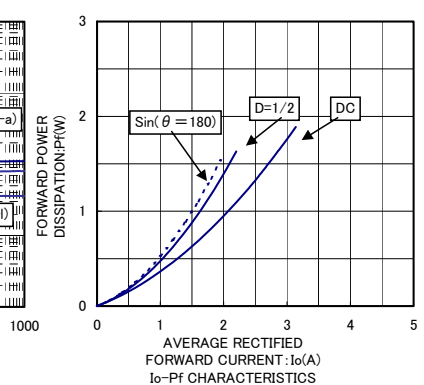
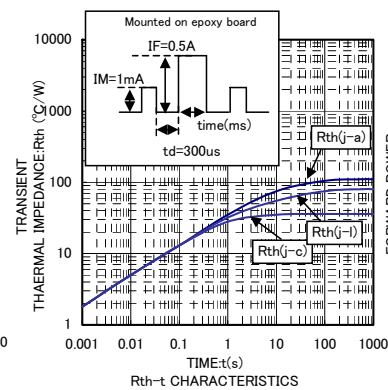
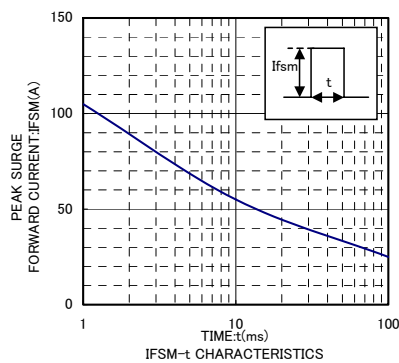
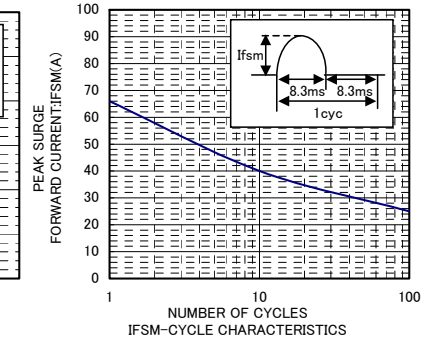
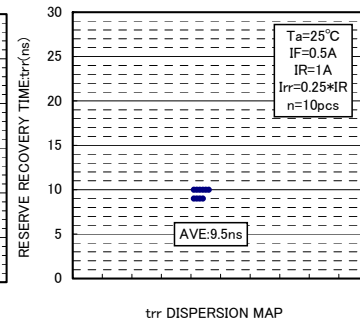
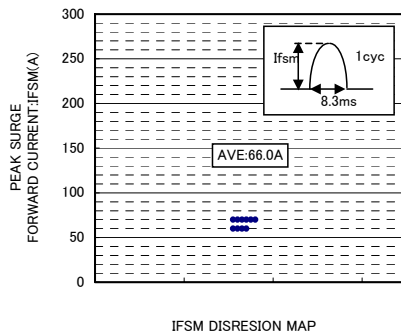
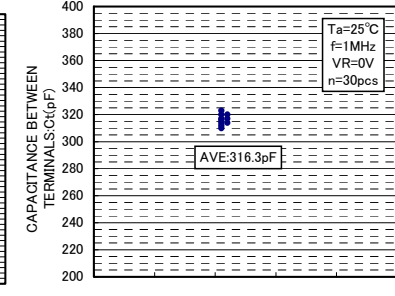
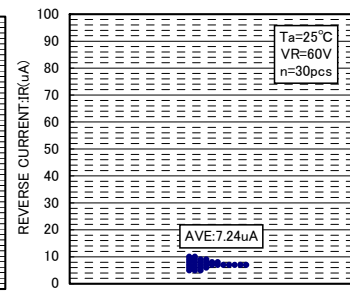
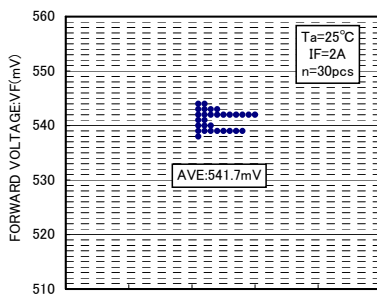
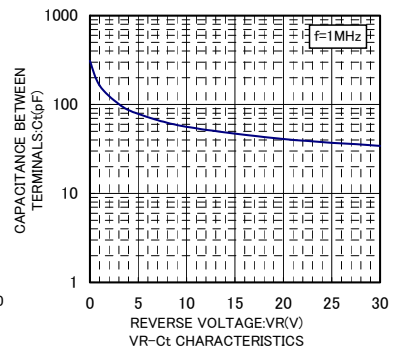
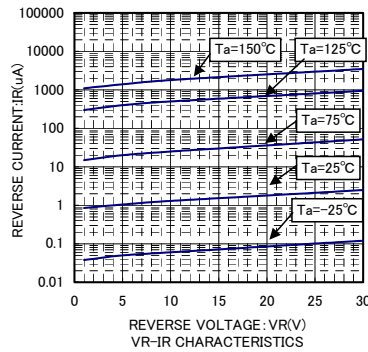
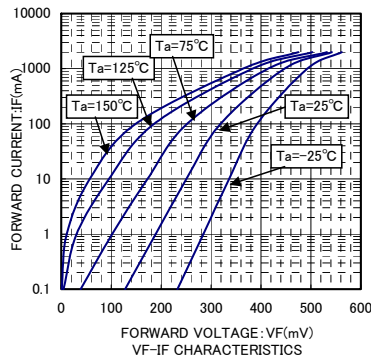
(*1) Mounted on epoxy board. 180°Half sine wave

●Electrical characteristics (Ta=25°C)

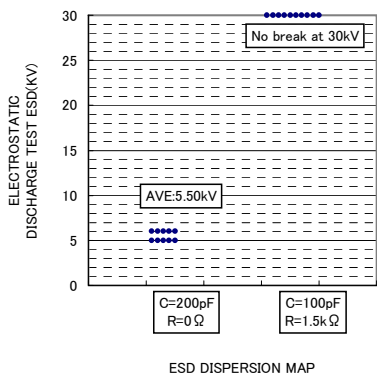
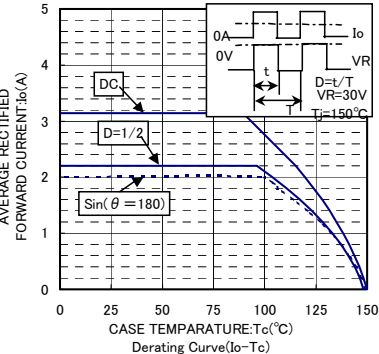
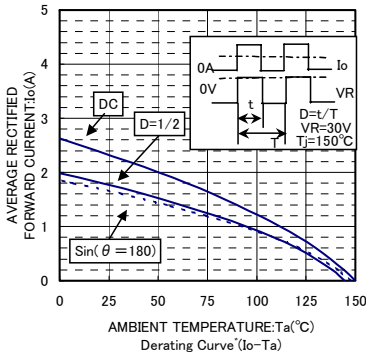
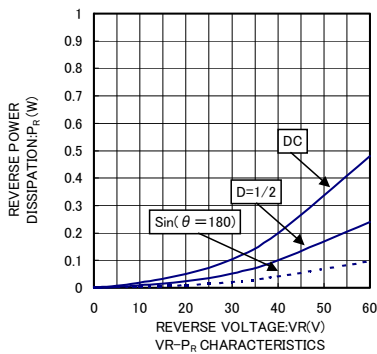
| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-----------------|--------|------|------|------|------|------------|
| Forward voltage | V_F | - | - | 0.58 | V | $I_F=2.0A$ |
| Reverse current | I_R | - | - | 100 | μA | $V_R=60V$ |

Diodes

●Electrical characteristic curves (Ta=25°C)



Diodes



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