

Diodes

Schottky Barrier Diode

RB520ZS-30

●Applications

General rectification

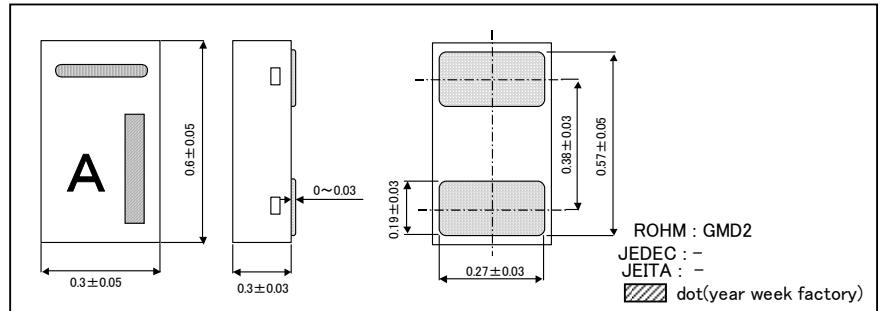
●Features

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

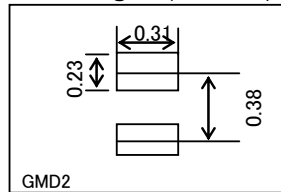
●Construction

Silicon epitaxial planar

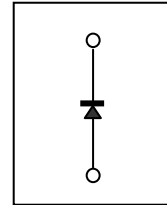
●Dimensions (Unit : mm)



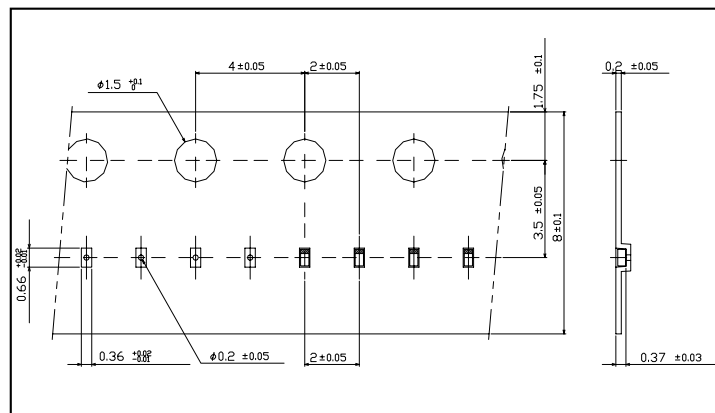
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (T_a=25°C)

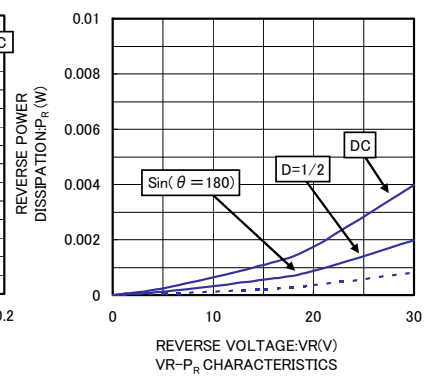
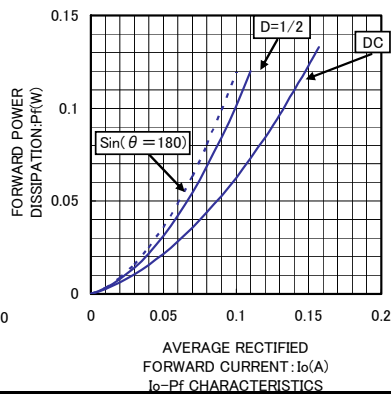
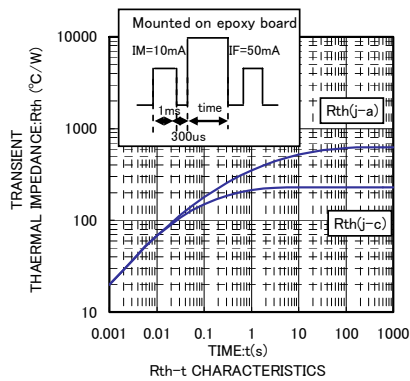
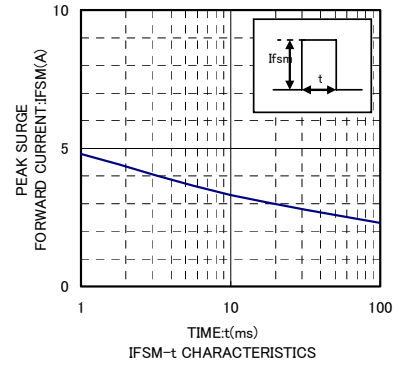
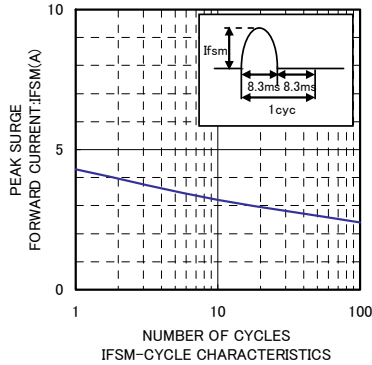
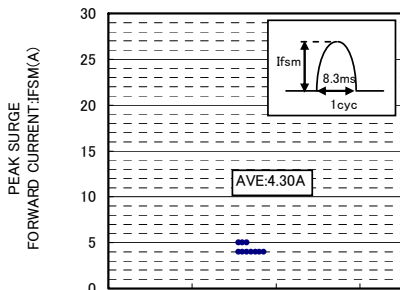
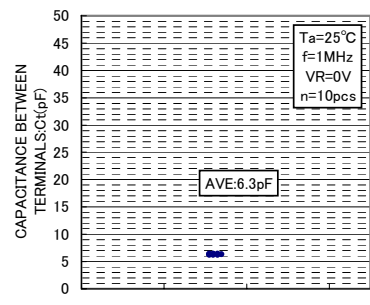
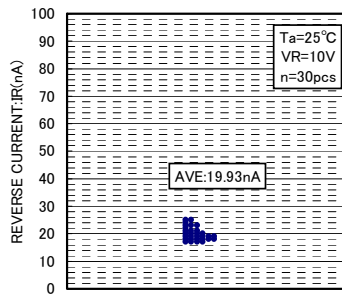
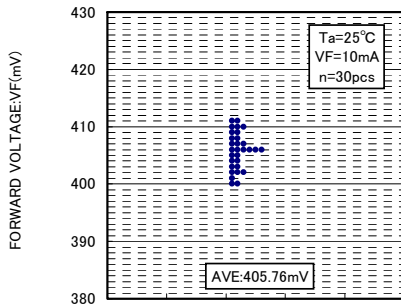
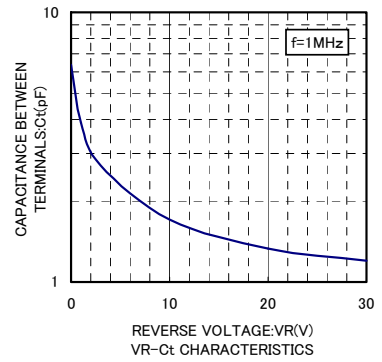
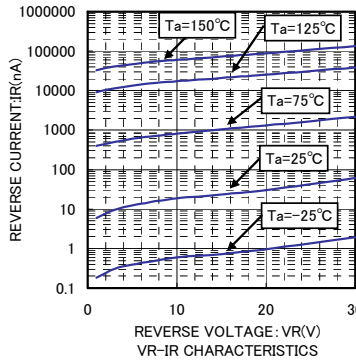
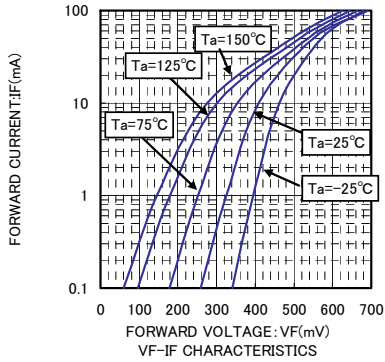
| Parameter | Symbol | Limits | Unit |
|--|------------------|-------------|------|
| Reverse voltage (DC) | V _R | 30 | V |
| Average rectified forward current | I _o | 100 | mA |
| Forward current surge peak (60Hz·1cyc) | I _{FSM} | 500 | mA |
| Junction temperature | T _j | 150 | °C |
| Storage temperature | T _{stg} | -40 to +150 | °C |

●Electrical characteristic (T_a=25°C)

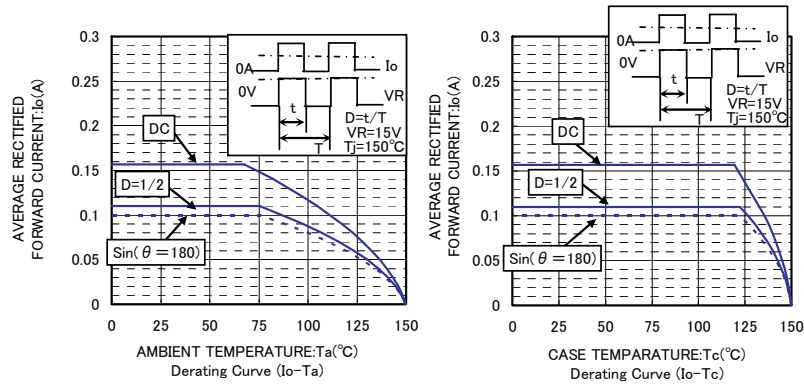
| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-----------------|----------------|------|------|------|------|----------------------|
| Forward voltage | V _F | - | - | 0.46 | V | I _F =10mA |
| Reverse current | I _R | - | - | 0.3 | μA | V _R =10V |

Diodes

●Electrical characteristic curves



Diodes



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