

Schottky Barrier Diode

RB051M-2Y

Applications

General rectification

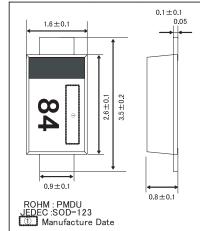
● Features

- 1)Small power mold type. (PMDU)
- 2)Ultra Low V_F
- 3)High reliability

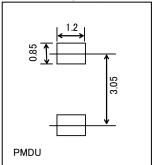
Construction

Silicon epitaxial planer

●Dimensions(Unit:mm)



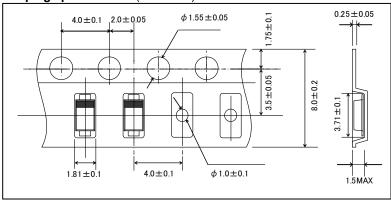
● Land size figure(Unit : mm)











● Absolute maximum ratings (Ta=25°C)

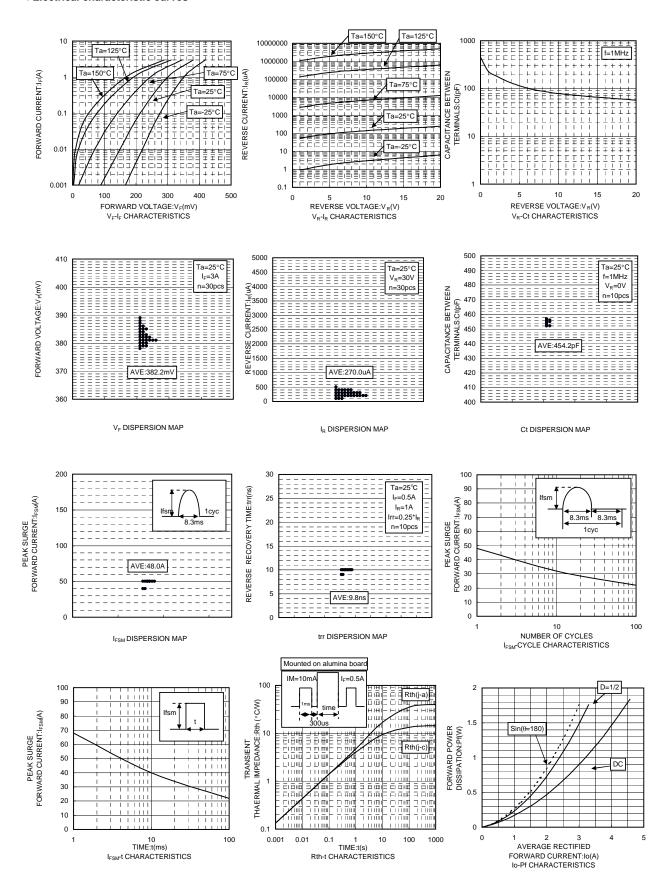
| Parameter | Symbol | Limits | Unit |
|--|------------------|-------------|------|
| Reverse voltage (repetitive) | V_{RM} | 20 | V |
| Reverse voltage (DC) | V_R | 20 | V |
| Average rectified forward current(*1) | lo | 3 | А |
| Forward current surge peak (60Hz·1cyc) | I _{FSM} | 30 | Α |
| Junction temperature | Tj | 125 | °C |
| Storage temperature | Tstg | -40 to +125 | °C |

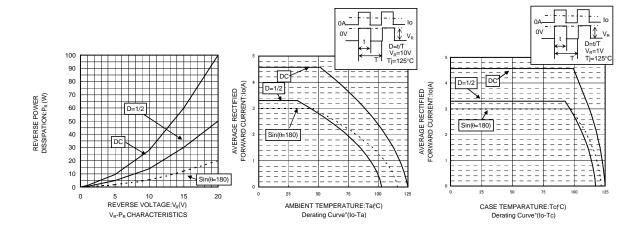
^(*1)Mounting on alumina board. Tc=95°C Max.

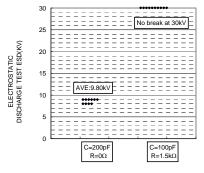
●Electrical characteristics(Ta=25°C)

| Parameter | Symbol | Min. | Тур. | Max. | Unit | Conditions |
|-----------------|----------------|------|------|------|------|---------------------|
| Forward voltage | V_{F} | - | - | 0.46 | V | I _F =3A |
| Reverse current | I _R | - | - | 0.9 | mA | V _R =20V |

•Electrical characteristic curves







ESD DISPERSION MAP

Notes

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