

Rectifier diode

RR255M-400

●Applications

General rectification

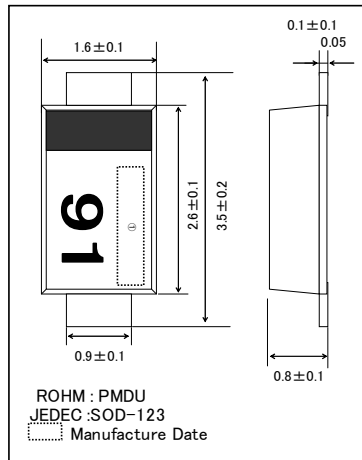
●Features

- 1) Small power mold type. (PMDU)
- 2) High reliability

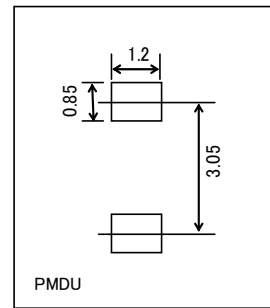
●Construction

Silicon epitaxial planar

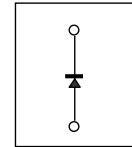
●Dimensions (Unit : mm)



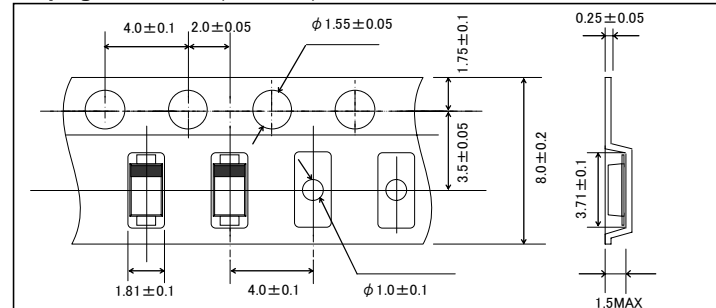
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

| Parameter | Symbol | Limits | Unit |
|--|-----------|-------------|------|
| Absolute peak reverse voltage | V_{RM} | 400 | V |
| Reverse voltage(DC) | V_R | 400 | V |
| Average rectified forward current(*1) | I_o | 0.7 | A |
| Forward current surge peak (1pulse/4S t=500us) | I_{FRM} | 150 | A |
| Junction temperature | T_j | 150 | °C |
| Storage temperature | T_{stg} | -55 to +150 | °C |

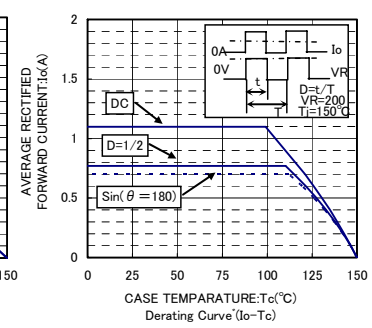
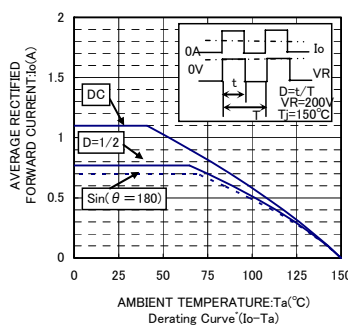
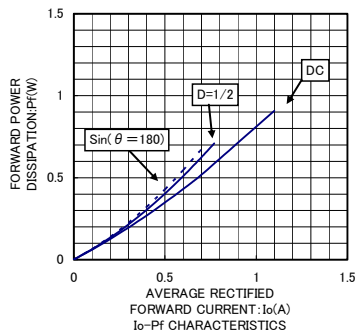
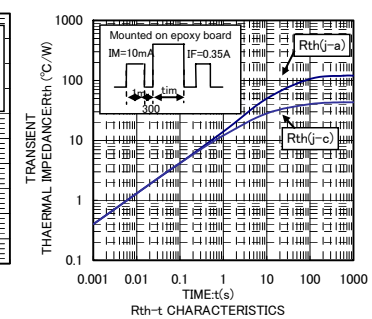
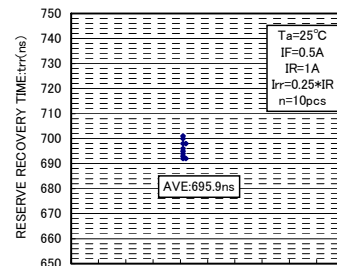
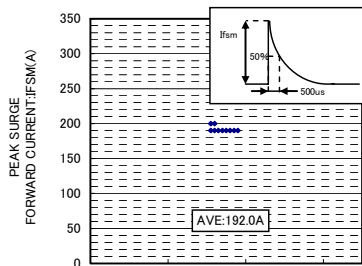
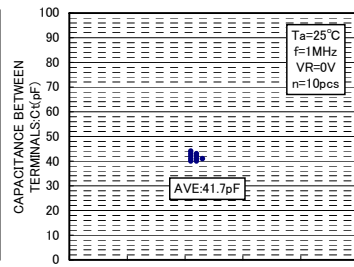
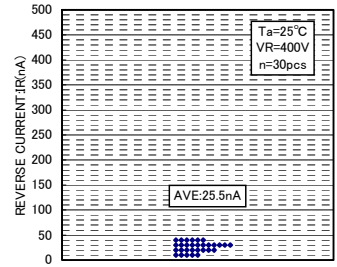
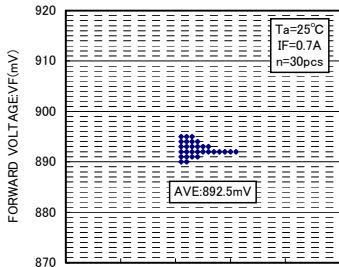
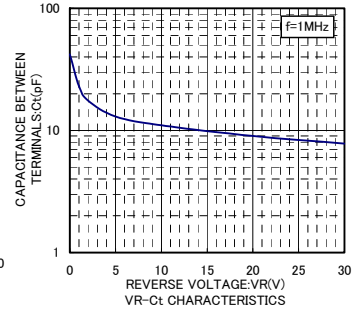
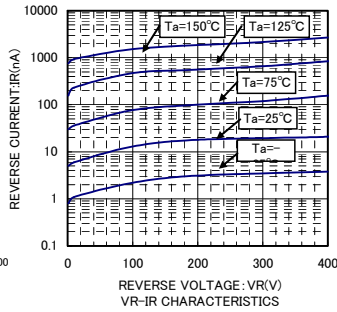
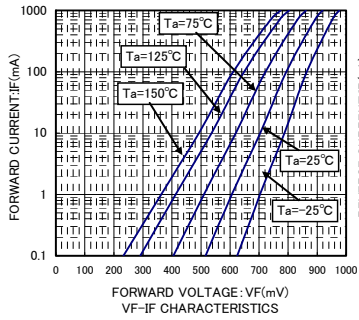
(*1)Mounting on epoxy board. 180°Half sine wave

●Electrical characteristic (Ta=25°C)

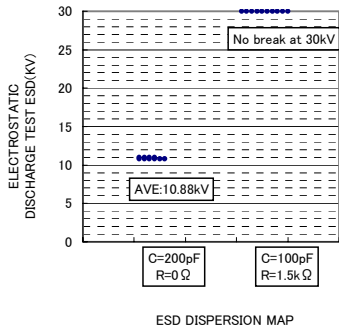
| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-----------------|--------|------|------|------|------|------------|
| Forward voltage | V_F | - | - | 0.98 | V | $I_F=0.7A$ |
| Reverse current | I_R | - | - | 1 | uA | $V_R=400V$ |

Diodes

● Electrical characteristic curves



Diodes



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