

Rectifier diode

1SR154-400

●Applications

General rectification

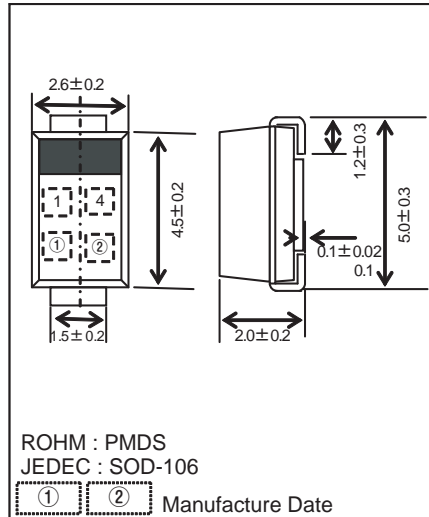
●Features

- 1) Small power mold type (PMDS)
- 2) High Reliability

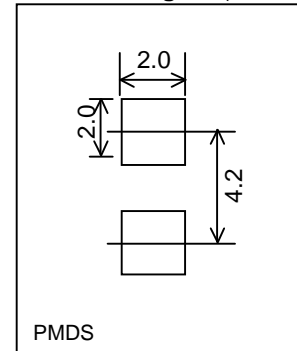
●Construction

Silicon diffused junction

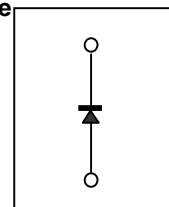
●Dimensions (Unit : mm)



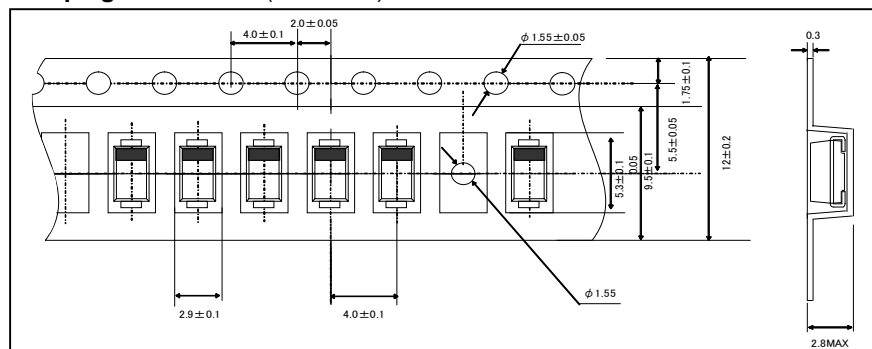
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



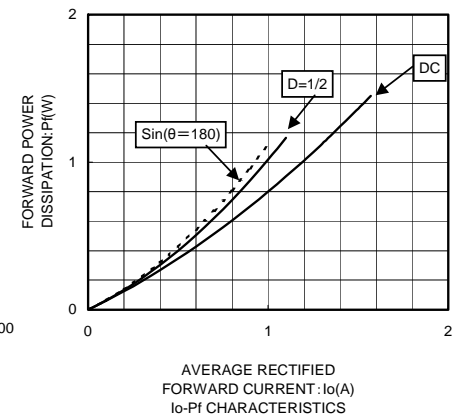
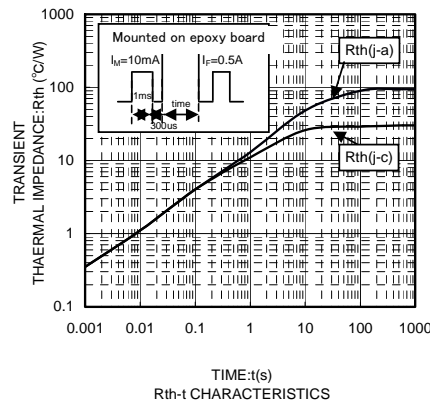
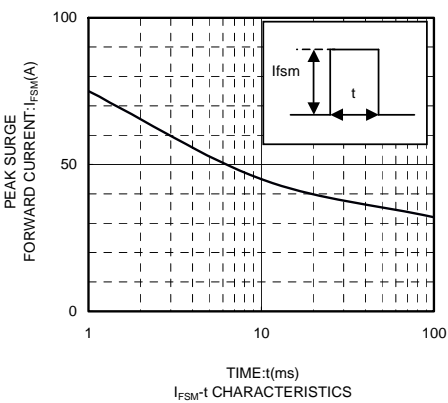
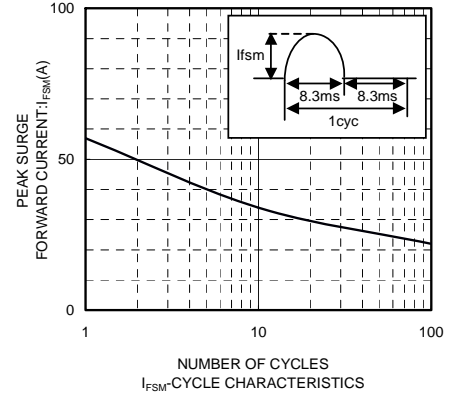
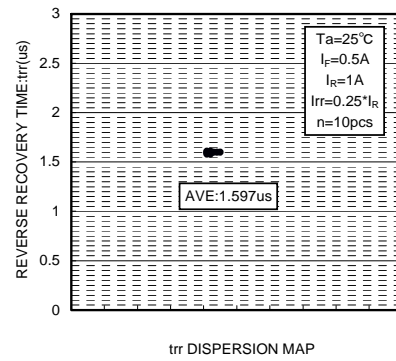
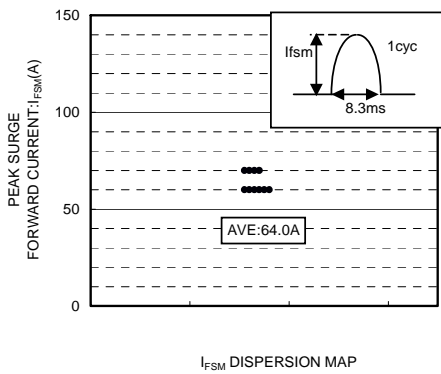
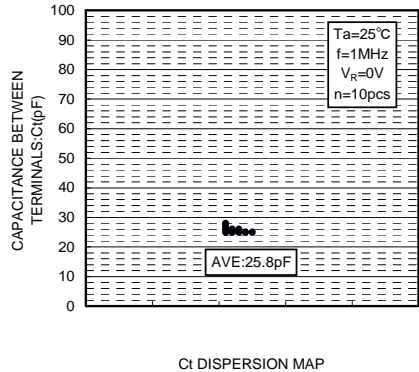
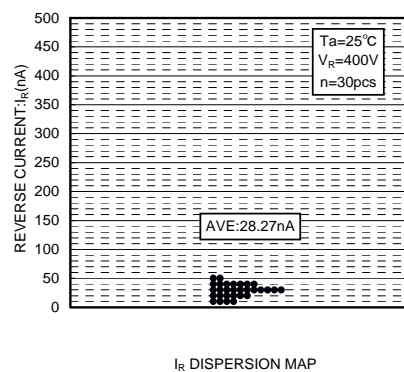
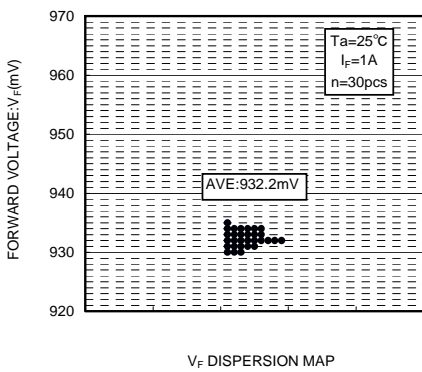
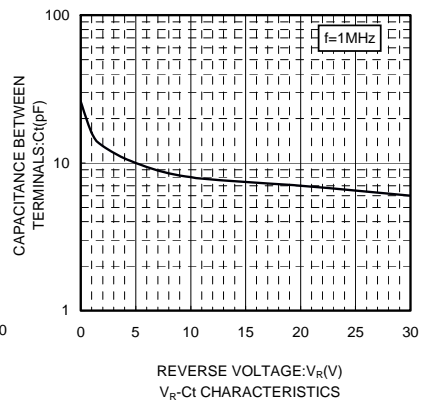
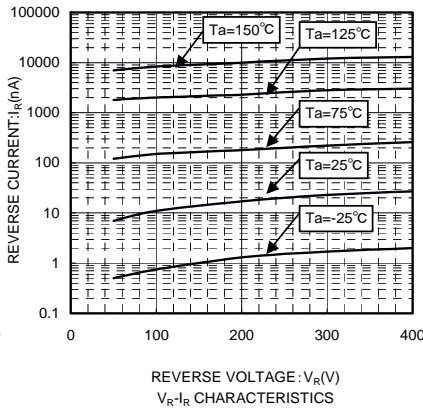
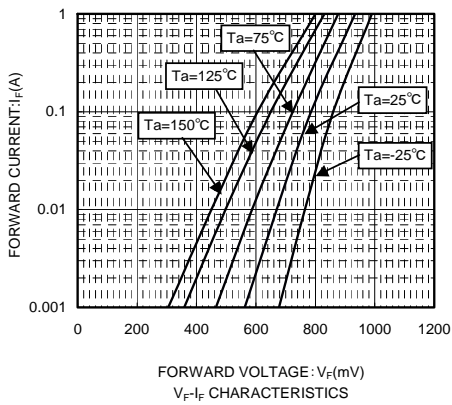
●Absolute maximum ratings (Ta=25°C)

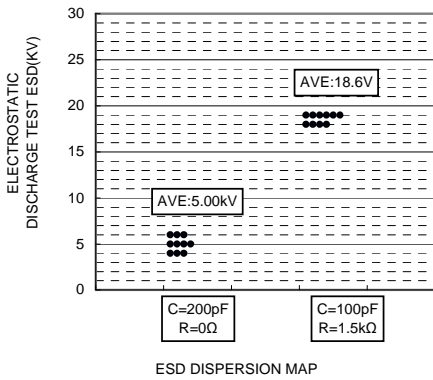
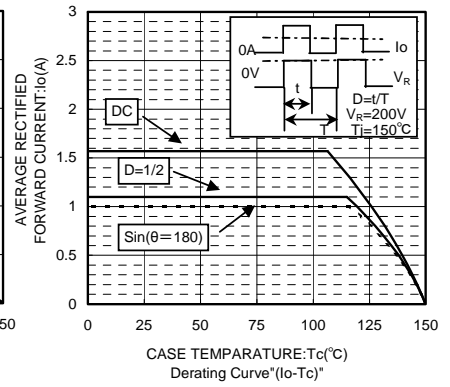
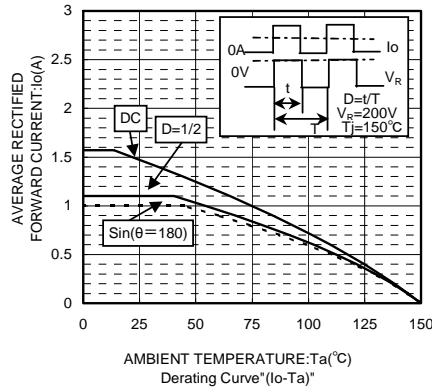
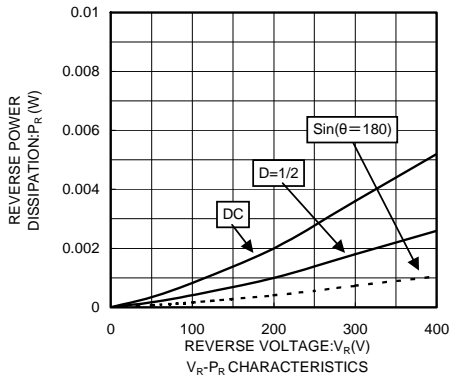
| Parameter | Symbol | Limits | Unit |
|--|-----------|-------------|------|
| Reverse voltage (non-repetitive peak) | V_{RMS} | 500 | V |
| Reverse voltage (repetitive peak) | V_R | 400 | V |
| Average rectified forward current | I_o | 1 | A |
| Forward current surge peak (60Hz/1cyc) | I_{FSM} | 30 | A |
| Junction temperature | T_j | 150 | °C |
| Storage temperature | T_{stg} | -55 to +150 | °C |

●Electrical characteristics (Ta=25°C)

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-----------------|--------|------|------|------|------|------------|
| Forward voltage | V_F | - | - | 1.1 | V | $I_F=1A$ |
| Reverse current | I_R | - | - | 10 | uA | $V_R=400V$ |

●Electrical characteristic curves (Ta=25°C)





Notes

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