

Diodes

Rectifier diodes

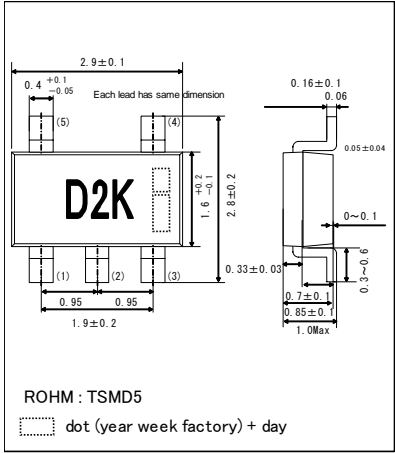
RR274EA-400

●Applications
General rectification

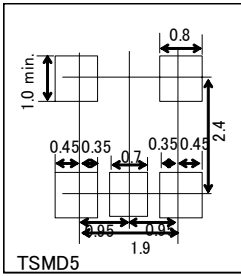
●Features
1) Small mold type. (TSMD5)
2) High reliability

●Construction
Silicon epitaxial planar

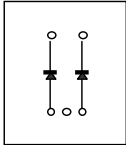
●External dimensions (Unit : mm)



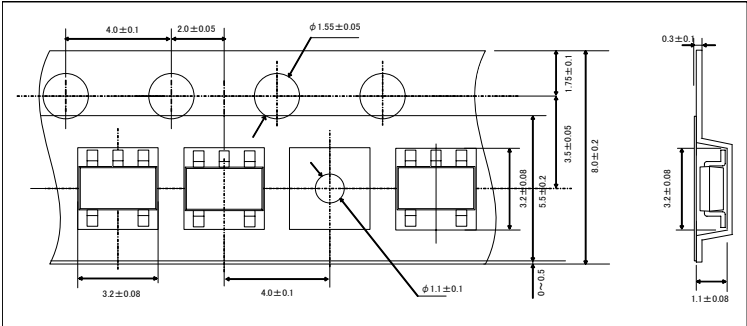
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

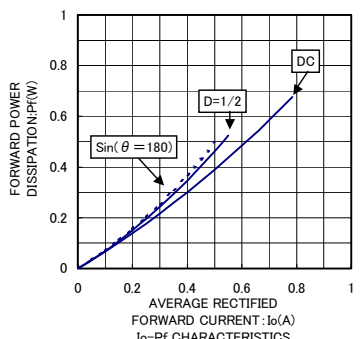
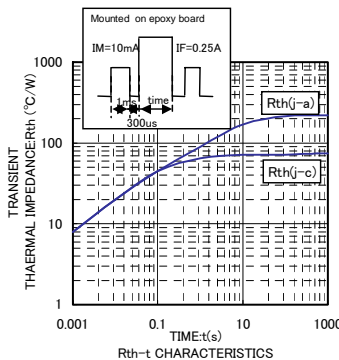
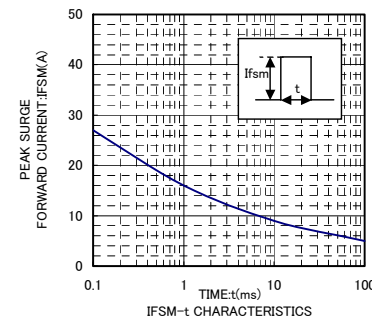
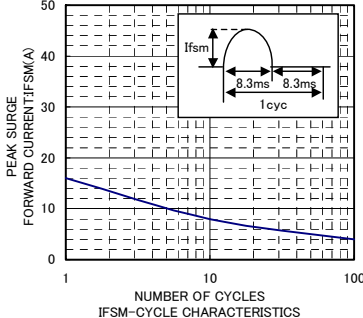
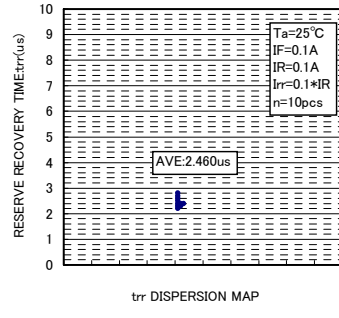
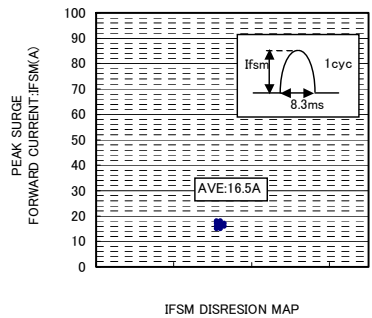
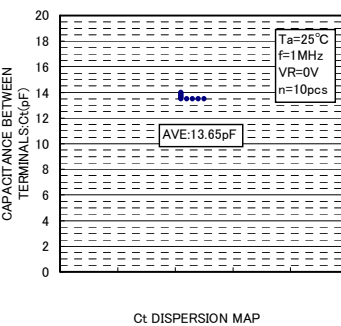
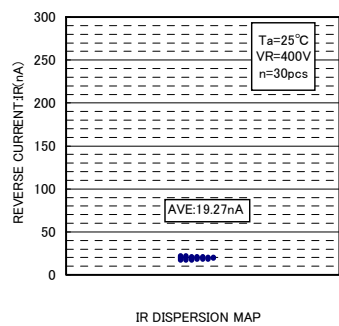
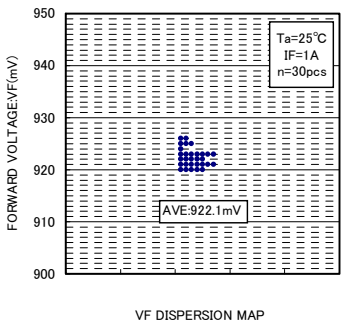
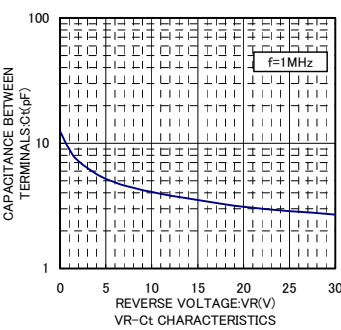
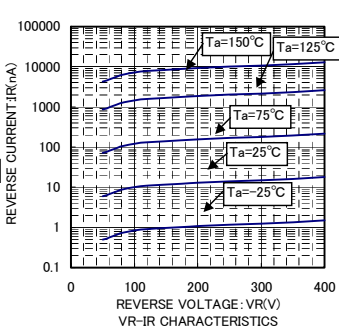
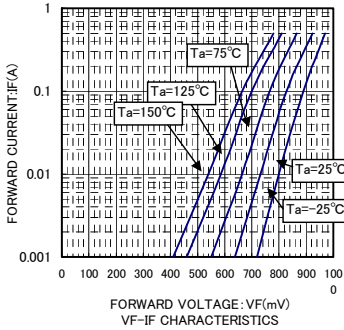
| Parameter | Symbol | Limits | Unit |
|--|-----------|-------------|------|
| Reverse voltage (repetitive peak) | V_R | 400 | V |
| Average rectified forward current | I_o | 0.5 | A |
| Forward current surge peak (60Hz·1cyc) | I_{FSM} | 8 | A |
| Junction temperature | T_j | 150 | °C |
| Storage temperature | T_{stg} | -55 to +150 | °C |

●Electrical characteristic (Ta=25°C)

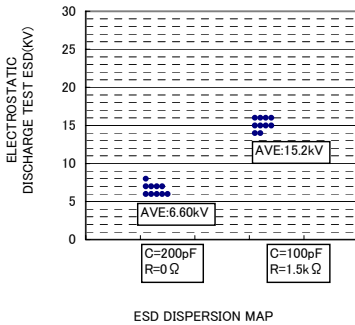
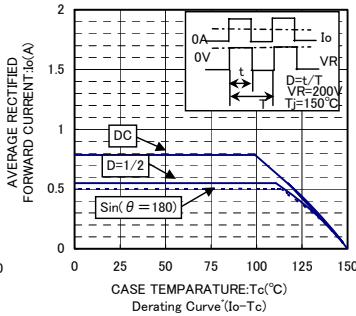
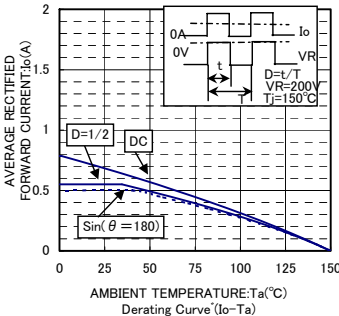
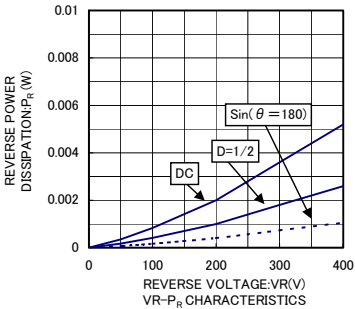
| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-----------------|--------|------|------|------|------|------------|
| Forward voltage | V_F | - | - | 1.1 | V | $I_F=0.5A$ |
| Reverse current | I_R | - | - | 10 | uA | $V_R=400V$ |

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● Electrical characteristic curves



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