Schottky barrier diode RB550VA-30

Applications

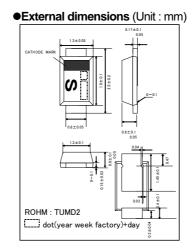
General rectification

● Features

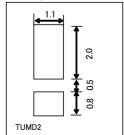
- 1) Small mold type (TUMD2)
- 2) Low VF, Low IR
- 3) High reliability

●Structure

Silicon Epitaxial Planer



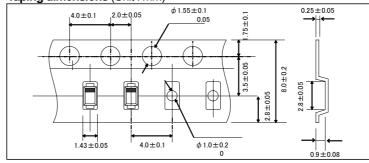
●Land size figure (Unit : mm)



Structure



●Taping dimensions (Unit: mm)



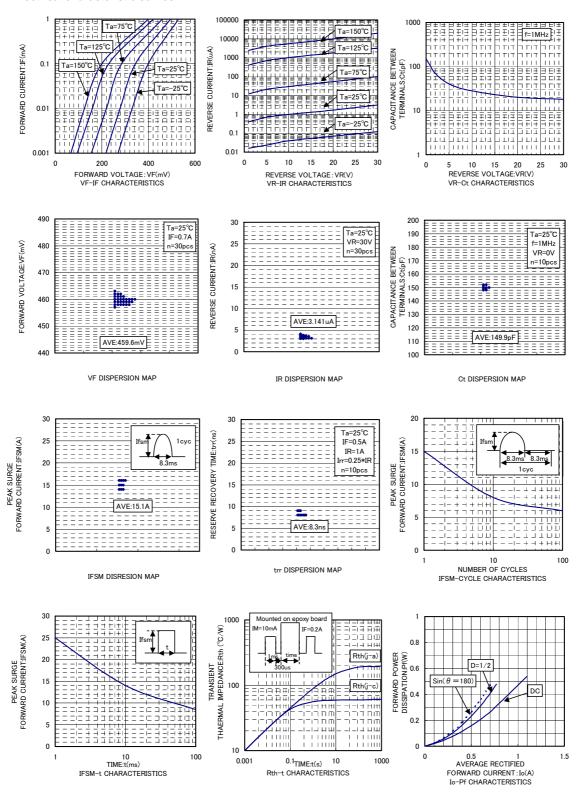
● Absolute maximum ratings (Ta=25°C)

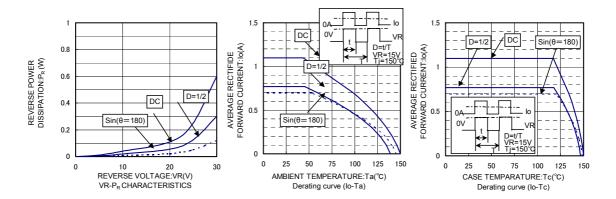
| Parameter | Symbol | Limits | Unit | | | | |
|-----------------------------------|------------------|-------------|------|--|--|--|--|
| Reverse voltage (repetitive peak) | V_{RM} | 30 | V | | | | |
| Reverse voltage (DC) | V_R | 30 | V | | | | |
| Average rectified forward current | lo | 1 | Α | | | | |
| Forward current surge peak | I _{FSM} | 3 | Α | | | | |
| Junction temperature | Tj | 150 | °C | | | | |
| Storage temperature | Tstg | -40 to +150 | °C | | | | |
| | | | | | | | |

●Electrical characteristic (Ta=25°C)

| Parameter | Symbol | Min. | Тур. | Max. | Unit | Conditions |
|-----------------|------------------|------|------|------|------|-----------------------|
| Forward voltage | V_F1 | - | 0.45 | 0.49 | V | I _F =700mA |
| | V _F 2 | - | 0.48 | 0.52 | μA | I _F =1A |
| Reverse current | I _R | - | 1 | 30 | μΑ | V _R =10V |

●Electrical characteristic curves





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