

Switching Diode

Applications

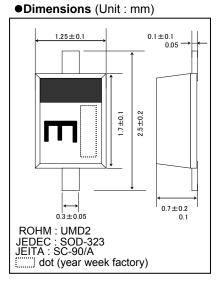
High speed switching

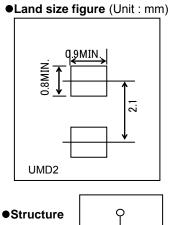
Features

Construction

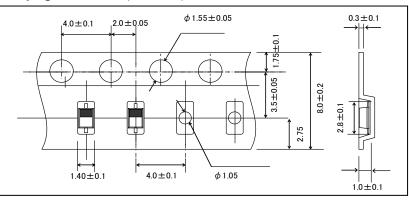
Silicon epitaxial planar

Ultra small mold type. (UMD2)
High reliability





•Taping dimensions (Unit : mm)

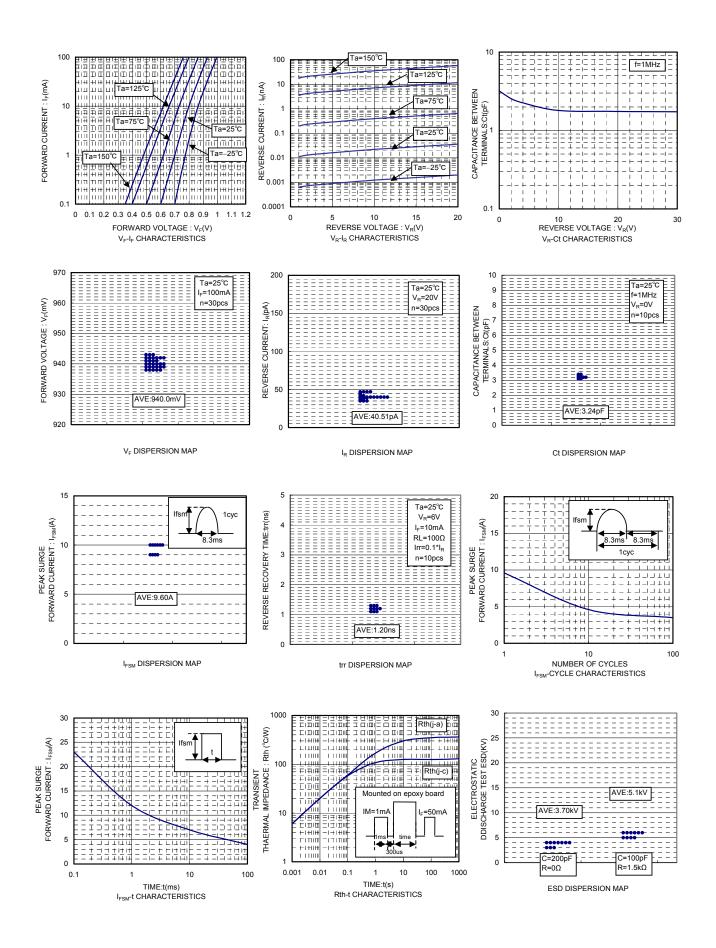


•Absolute maximum ratings (Ta=25°C)

| Parameter | Symbol | Limits | Unit |
|-----------------------------------|--------------------|-------------|------|
| Reverse voltage (repetitive peak) | V _{RM} | 40 | V |
| Reverse voltage (DC) | V _R | 35 | V |
| Forward current | I _{FM} | 225 | mA |
| Average rectified forward current | lo | 100 | mA |
| Surge current (t=1s) | I _{surge} | 400 | mA |
| Junction temperature | Tj | 150 | °C |
| Storage temperature | Tstg | -55 to +150 | °C |

•Electrical characteristics (Ta=25°C)

| Parameter | Symbol | Min. | Тур. | Max. | Unit | Conditions |
|-------------------------------|----------------|------|------|------|------|-------------------------------|
| Forward voltage | V _F | - | - | 1.2 | V | I _F =100mA |
| Reverse current | I _R | - | - | 0.01 | μA | V _R =20V |
| Capacitance between terminals | Ct | - | - | 5.0 | pF | V _R =0.5V , f=1MHz |



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