

Band Switching Diode

1SS356

●Applications

High frequency switching

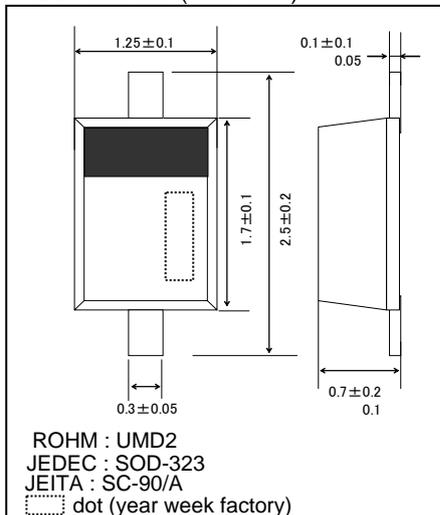
●Features

- 1) Ultra small mold type. (UMD2)
- 2) High reliability

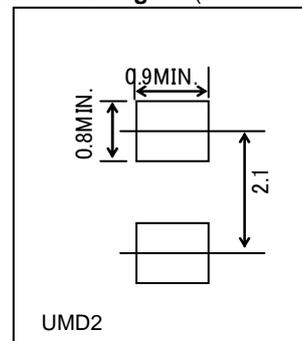
●Construction

Silicon epitaxial planar

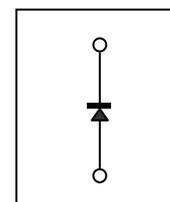
●Dimensions (Unit : mm)



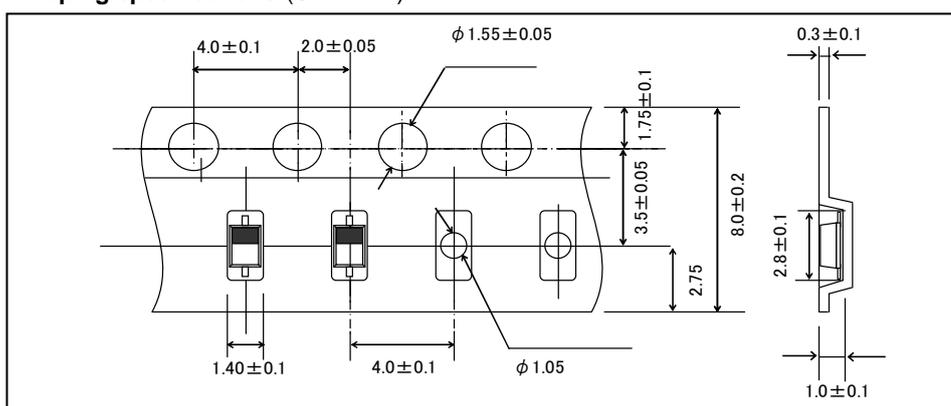
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)

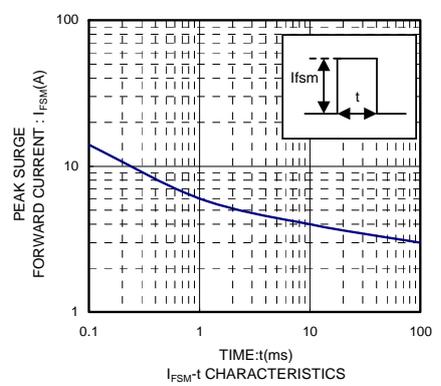
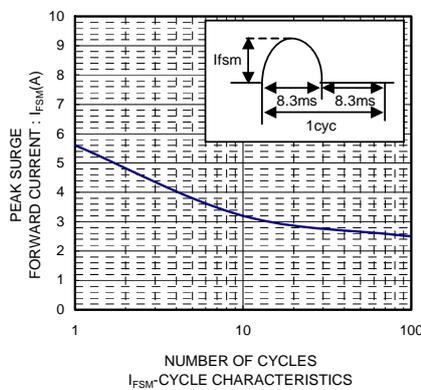
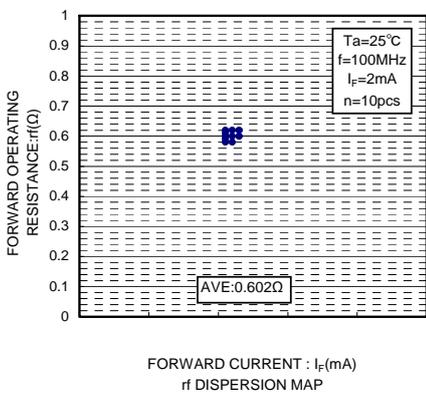
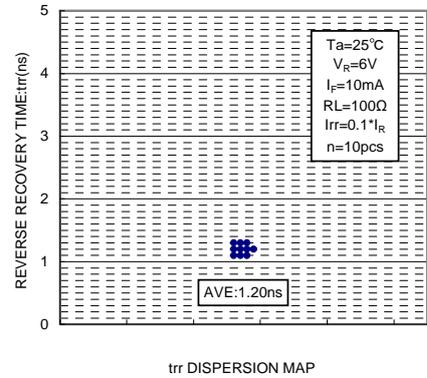
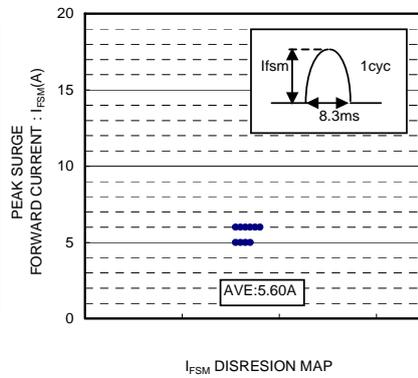
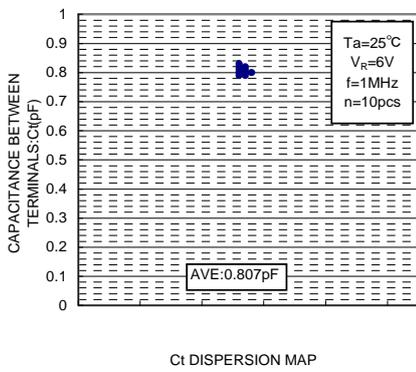
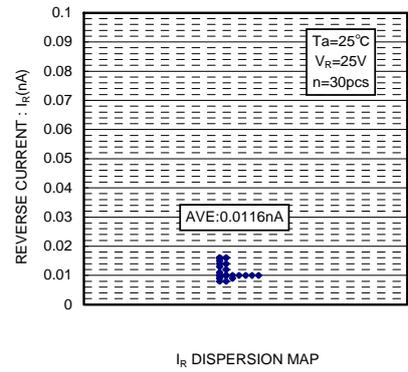
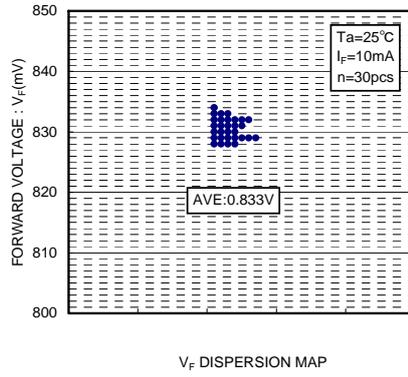
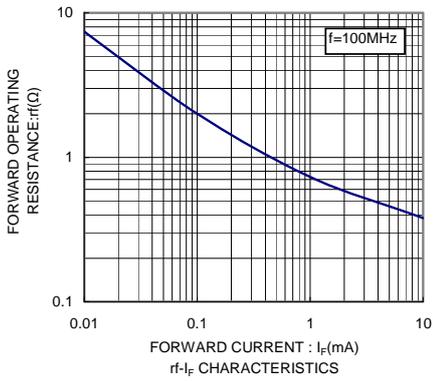
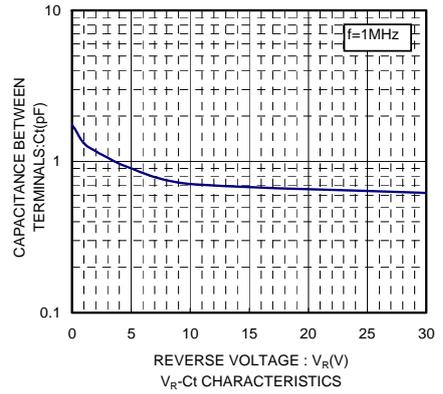
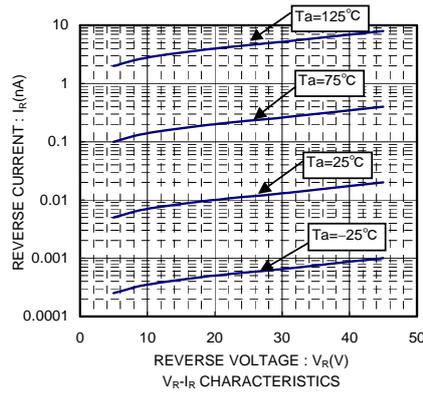
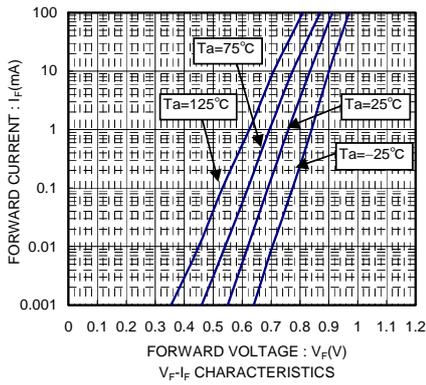


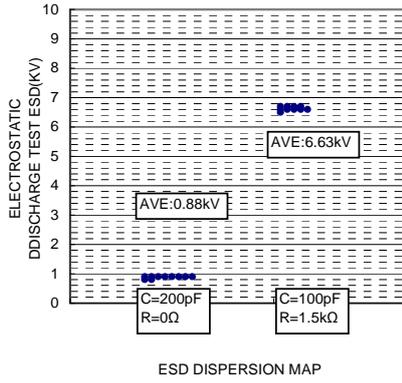
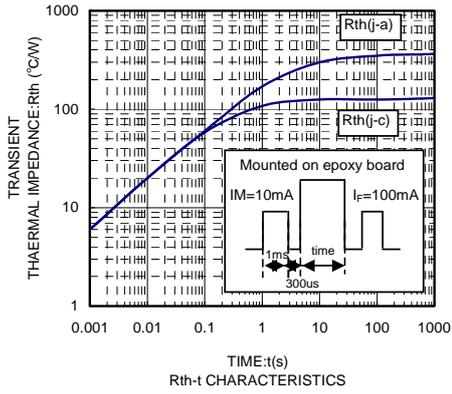
●Absolute maximum ratings (Ta=25°C)

| Parameter | Symbol | Limits | Unit |
|----------------------|-----------|-------------|------|
| Forward current (DC) | I_F | 100 | mA |
| Reverse voltage (DC) | V_R | 35 | V |
| Junction temperature | T_j | 125 | °C |
| Storage temperature | T_{stg} | -55 to +125 | °C |

●Electrical characteristics (Ta=25°C)

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-------------------------------|--------|------|------|------|----------|--------------------------------------|
| Forward voltage | V_F | - | - | 1.0 | V | $I_F=10\text{mA}$ |
| Reverse current | I_R | - | - | 10 | nA | $V_R=25\text{V}$ |
| Capacitance between terminals | C_t | - | - | 1.2 | pF | $V_R=6\text{V}$, $f=1\text{MHz}$ |
| Forward operating resistance | r_f | - | - | 0.9 | Ω | $I_F=2\text{mA}$, $f=100\text{MHz}$ |





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