

Switching Diode

DA221M

●Applications

Ultra high speed switching

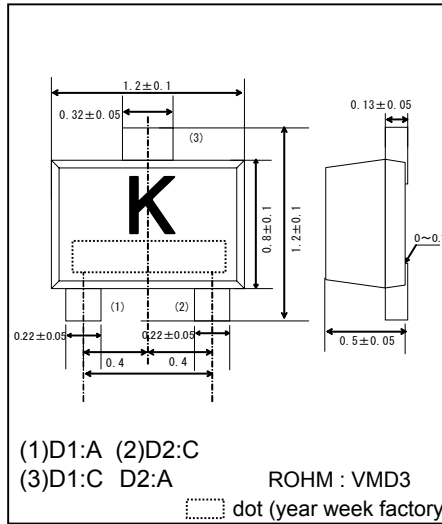
●Features

- 1) Ultra Small mold type. (VMD3)
- 2) High reliability

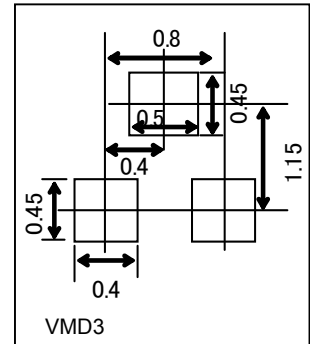
●Construction

Silicon epitaxial planar

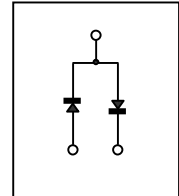
●Dimensions (Unit : mm)



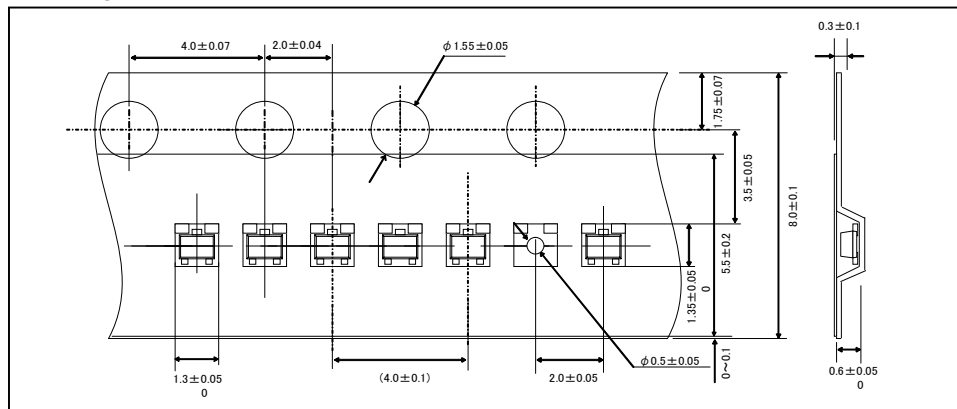
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)

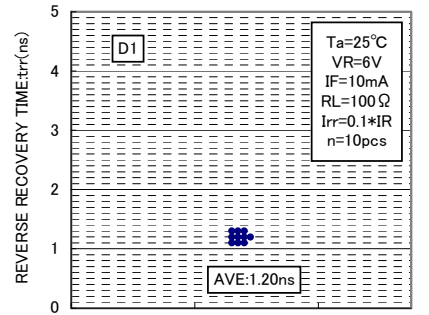
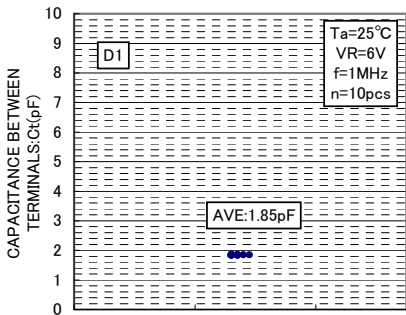
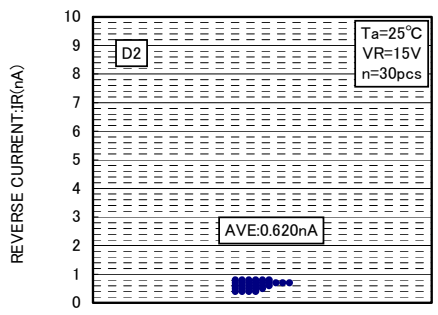
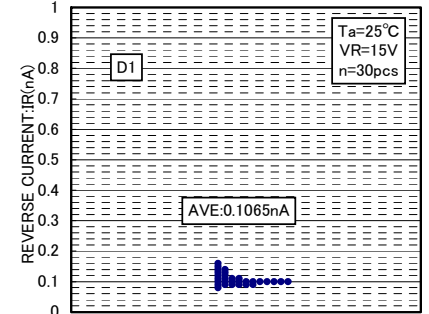
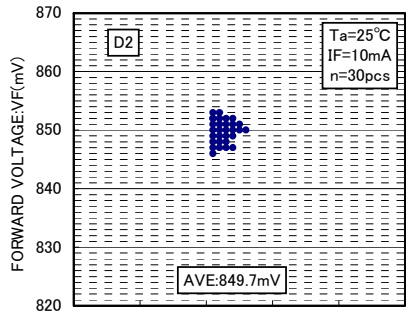
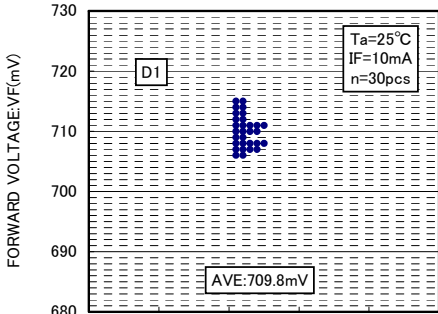
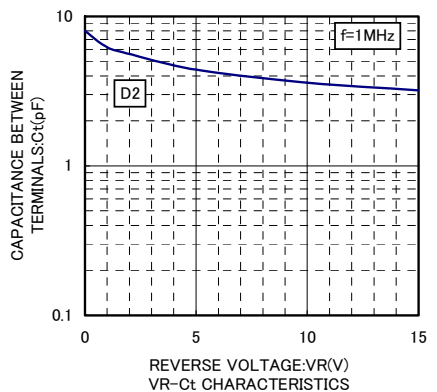
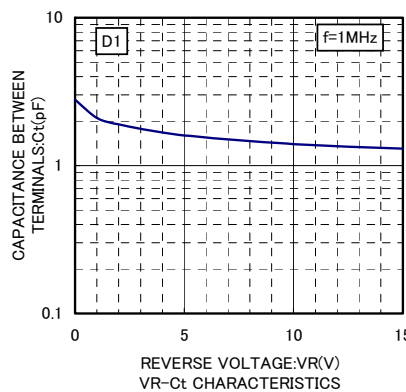
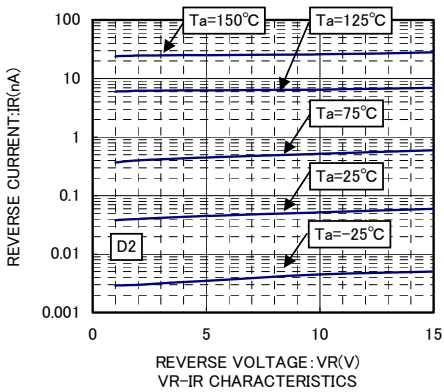
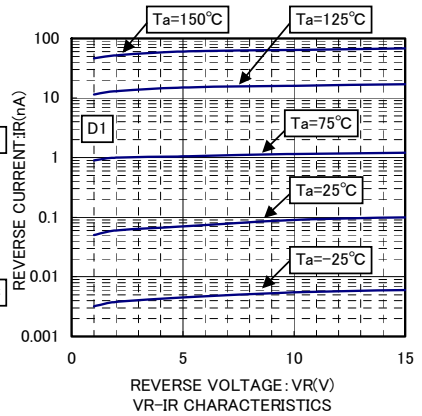
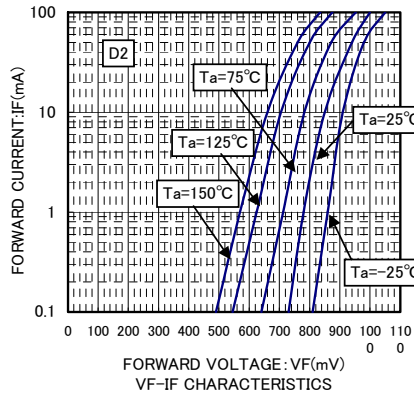
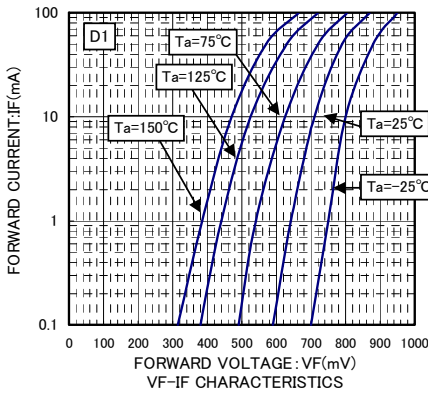


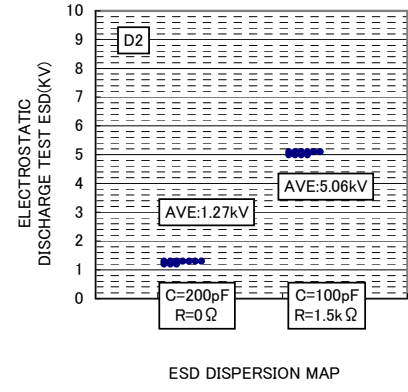
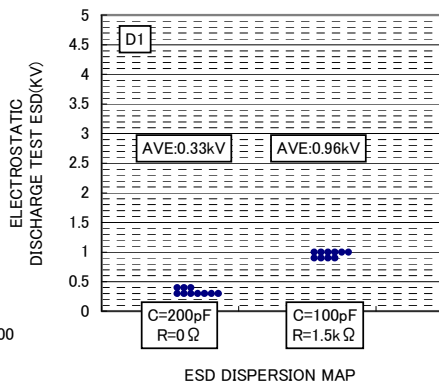
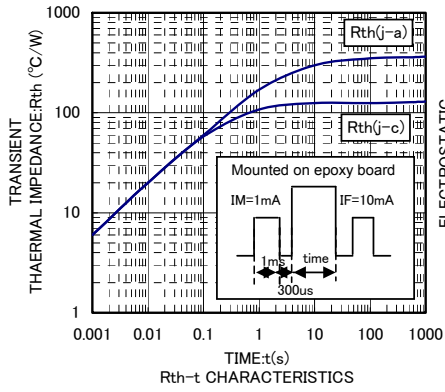
●Absolute maximum ratings (Ta=25°C)

| Parameter | Symbol | Limits | Unit |
|--|-------------|-------------|------|
| Reverse voltage (repetitive peak) | V_{RM} | 20 | V |
| Reverse voltage (DC) | V_R | 20 | V |
| Forward current surge peak(Single) | I_{FM} | 200 | mA |
| Average rectified forward current (Single) | I_o | 100 | mA |
| Surge current (t=1us) (Single) | I_{surge} | 300 | mA |
| Power dissipation | P_d | 150 | mW |
| 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 | - | - | 1.0 | V | $I_F=10mA$ |
| Reverse current | I_R | - | - | 0.1 | μA | $V_R=15V$ |
| Capacitance between terminals | C_t | - | - | 3.0 | pF | $V_R=6V, f=1MHz$ |





Notes

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