

# Band Switching Diode

## DAN235U

● **Applications**

High frequency switching

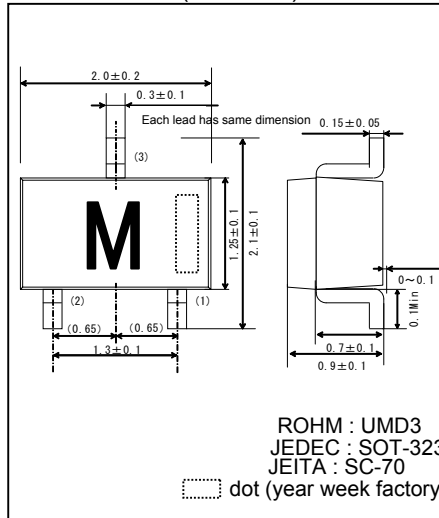
● **Features**

- 1) Small mold type. (UMD3)
- 2) High reliability

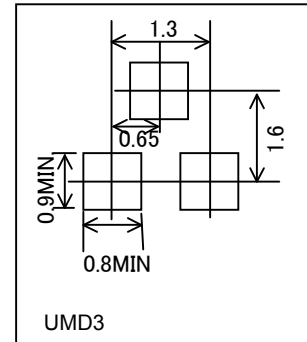
● **Construction**

Silicon epitaxial planar

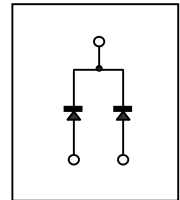
● **Dimensions (Unit : mm)**



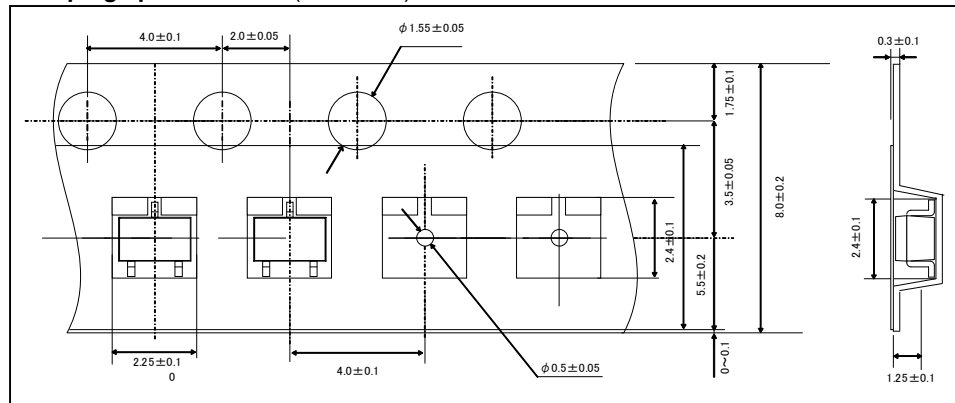
● **Land size figure (Unit : mm)**



● **Structure**



● **Taping specifications (Unit : mm)**

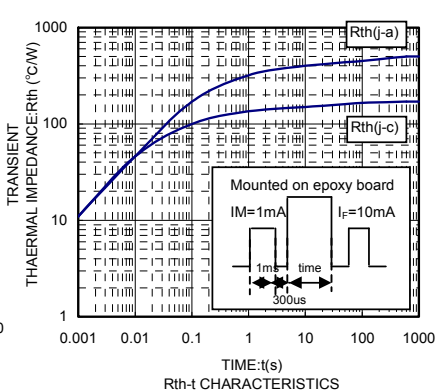
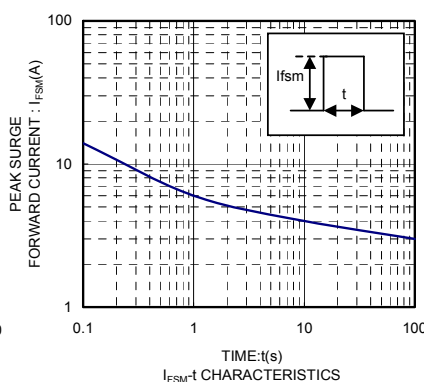
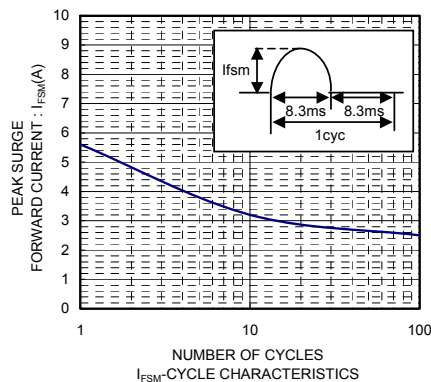
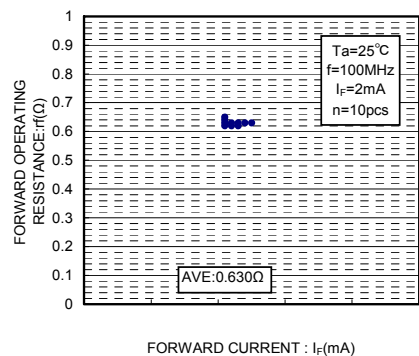
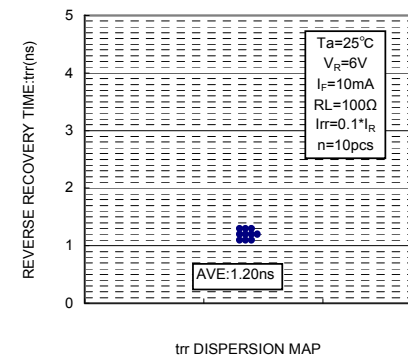
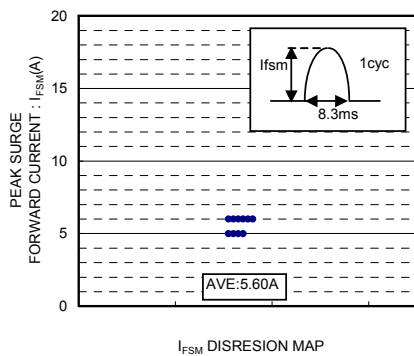
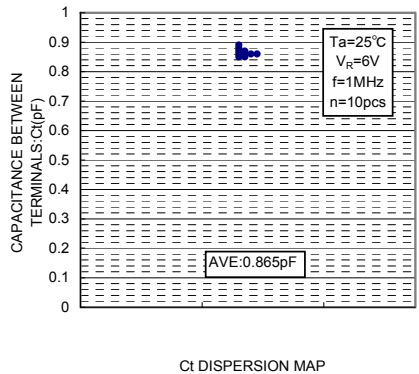
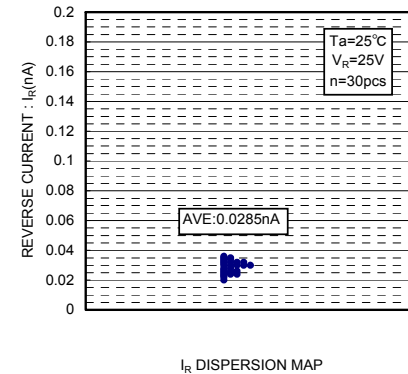
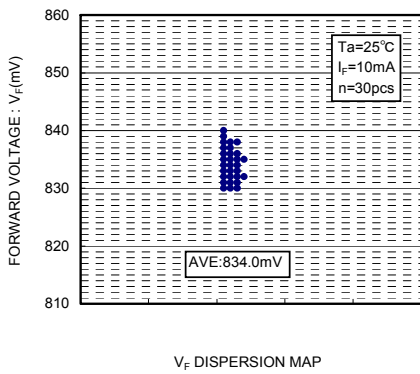
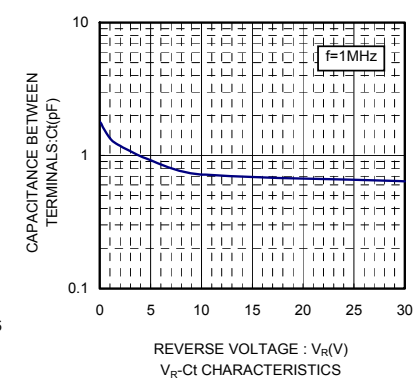
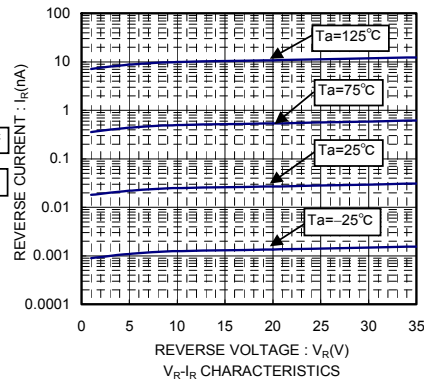
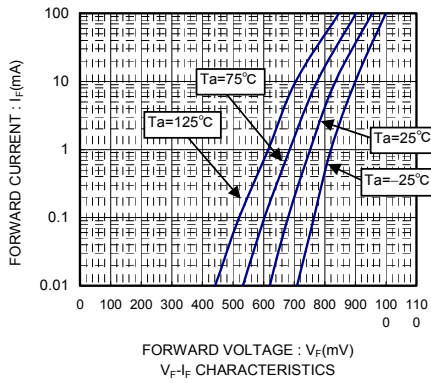


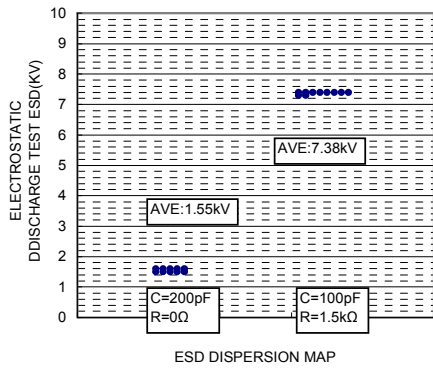
● **Absolute maximum ratings (Ta=25°C)**

| Parameter            | Symbol           | Limits      | Unit |
|----------------------|------------------|-------------|------|
| Power dissipation    | Pd               | 150         | mW   |
| Reverse voltage (DC) | V <sub>R</sub>   | 35          | V    |
| Junction temperature | T <sub>J</sub>   | 125         | °C   |
| Storage temperature  | T <sub>stg</sub> | -55 to +125 | °C   |

● **Electrical characteristics (Ta=25°C)**

| Parameter                     | Symbol         | Min. | Typ. | Max. | Unit | Conditions                    |
|-------------------------------|----------------|------|------|------|------|-------------------------------|
| Forward voltage               | V <sub>F</sub> | -    | -    | 1.0  | V    | I <sub>F</sub> =10mA          |
| Reverse current               | I <sub>R</sub> | -    | -    | 10   | nA   | V <sub>R</sub> =25V           |
| Capacitance between terminals | C <sub>t</sub> | -    | -    | 1.2  | pF   | V <sub>R</sub> =6V, f=1MHz    |
| Forward resistance            | r <sub>f</sub> | -    | -    | 0.9  | Ω    | I <sub>F</sub> =2mA, f=100MHz |





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