

# PIN diode

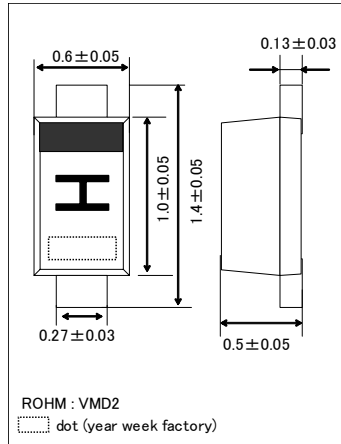
## RN262G

●Applications  
High frequency switching

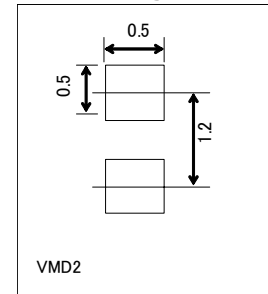
●Features  
1) Ultra small mold type. (VMD2)  
2) Low high-frequency forward resistance / low capacitance (C<sub>T</sub>).

●Construction  
Silicon epitaxial planar

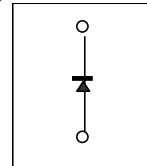
●External dimensions (Unit : mm)



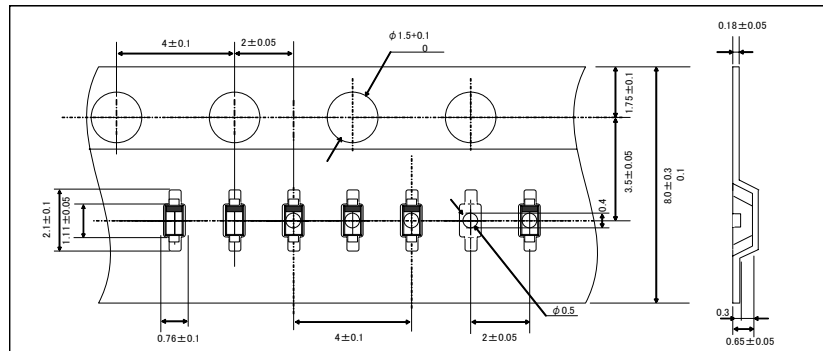
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (T<sub>a</sub>=25°C)

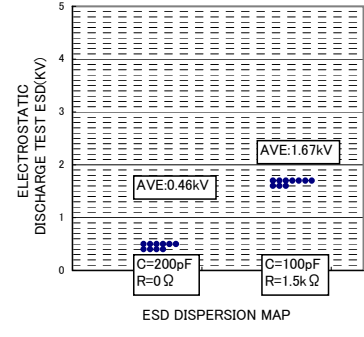
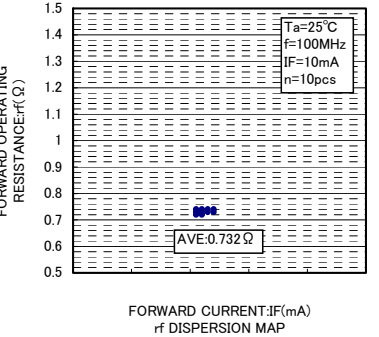
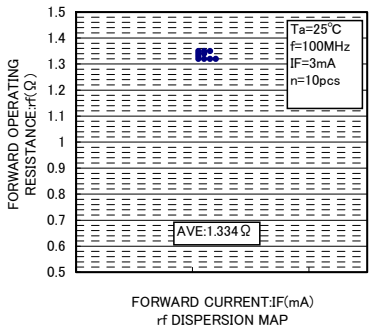
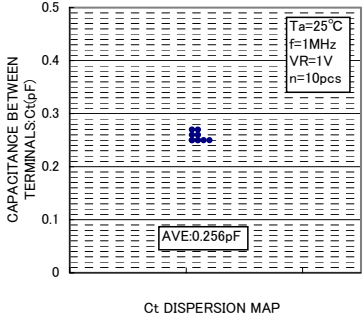
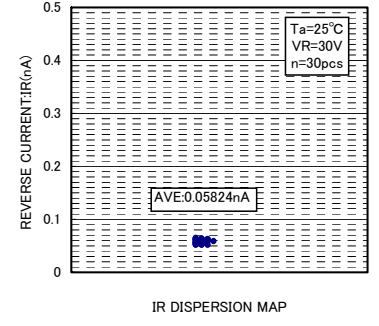
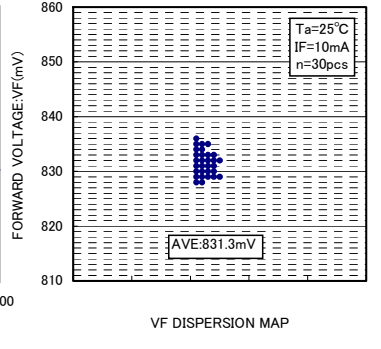
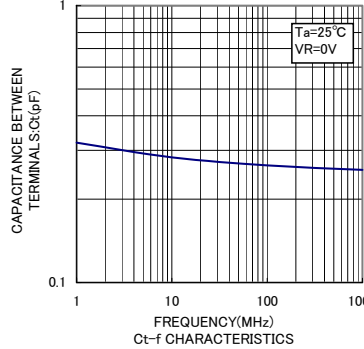
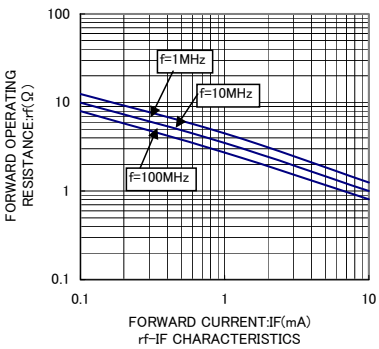
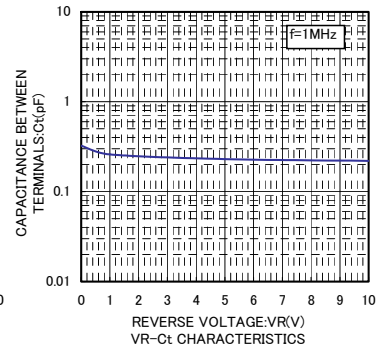
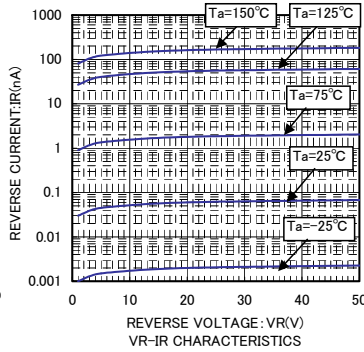
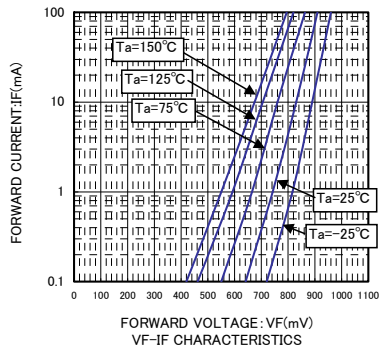
| Parameter            | Symbol           | Limits      | Unit |
|----------------------|------------------|-------------|------|
| Reverse voltage      | V <sub>R</sub>   | 30          | V    |
| Forward current      | I <sub>F</sub>   | 100         | mA   |
| Power dissipation    | P <sub>d</sub>   | 100         | mW   |
| Junction temperature | T <sub>j</sub>   | 150         | °C   |
| Storage temperature  | T <sub>stg</sub> | -55 to +150 | °C   |

●Electrical characteristics (T<sub>a</sub>=25°C)

| Parameter                     | Symbol         | Min. | Typ. | Max. | Unit | Conditions                     |
|-------------------------------|----------------|------|------|------|------|--------------------------------|
| Forward voltage               | V <sub>F</sub> | -    | -    | 1    | V    | I <sub>F</sub> =10mA           |
| Reverse current               | I <sub>R</sub> | -    | -    | 0.1  | μA   | V <sub>R</sub> =30V            |
| Capacitance between terminals | C <sub>t</sub> | -    | -    | 0.4  | pF   | V <sub>R</sub> =1V, f=1MHz     |
| High frequency resistance     | R <sub>f</sub> | -    | -    | 2.8  | Ω    | I <sub>F</sub> =3mA, f=100MHz  |
|                               |                | -    | -    | 1.5  | Ω    | I <sub>F</sub> =10mA, f=100MHz |

Diodes

●Electrical characteristic curves (Ta=25°C)



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