

●Application

High frequency detection

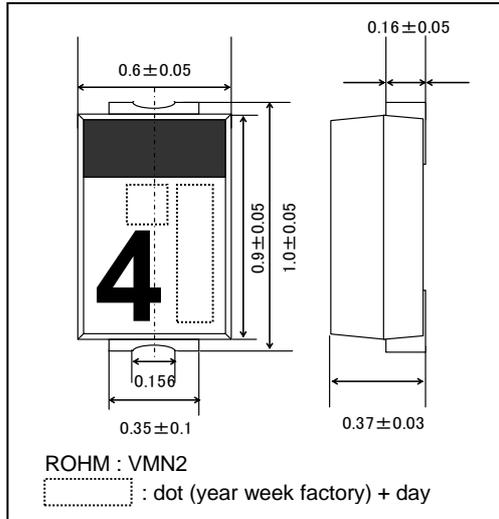
●Features

- 1) Ultra small mold type.
(VMN2)
- 2) Low Ct and high detection efficiency.

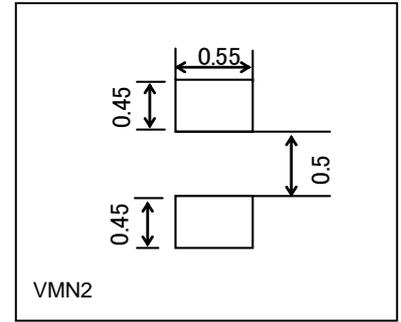
●Construction

Silicon epitaxial planar type

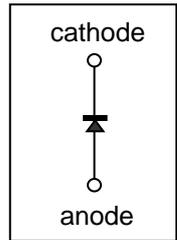
●Dimensions (Unit : mm)



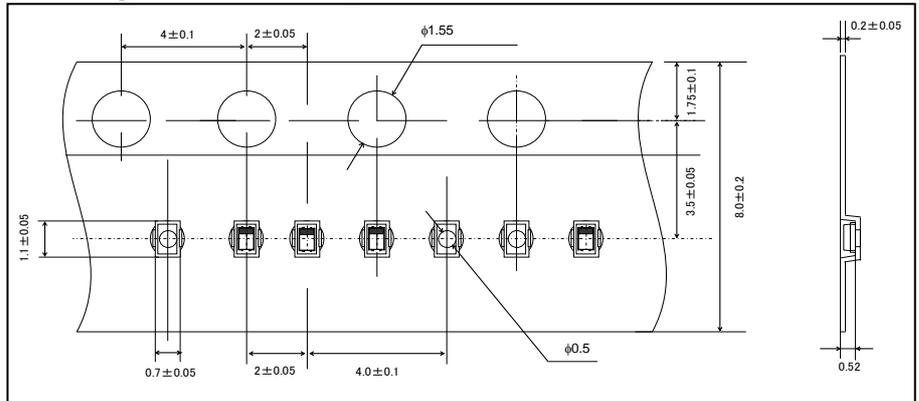
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



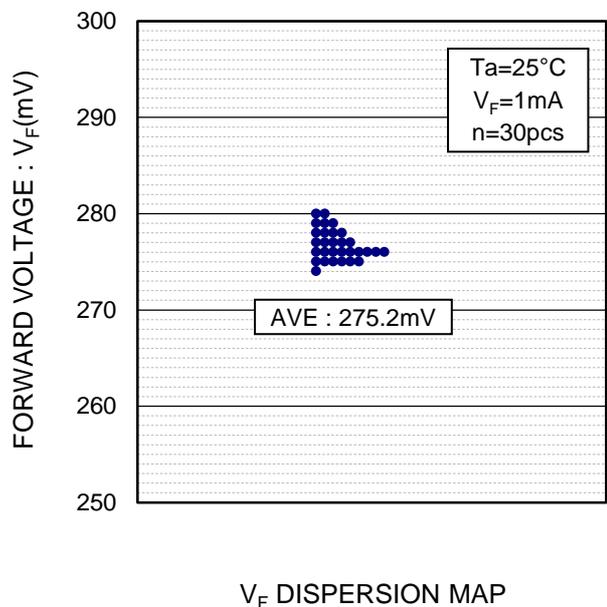
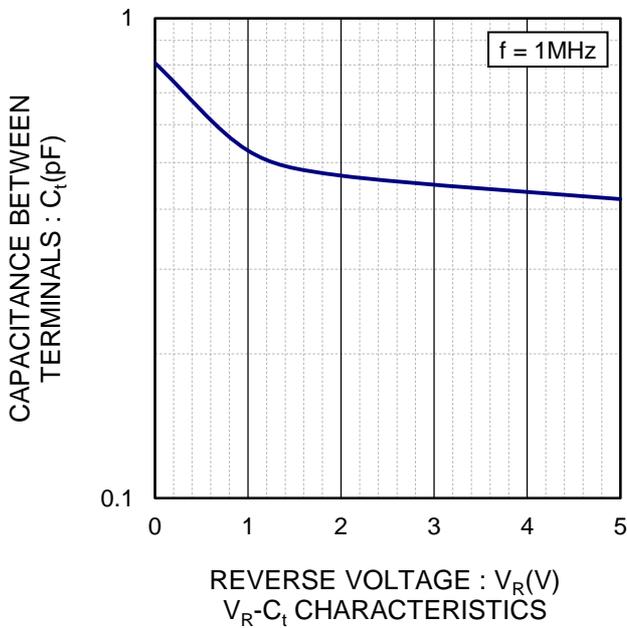
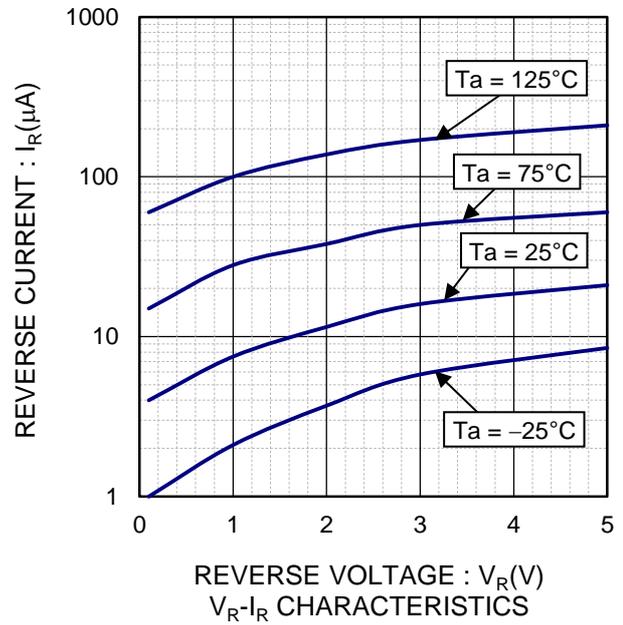
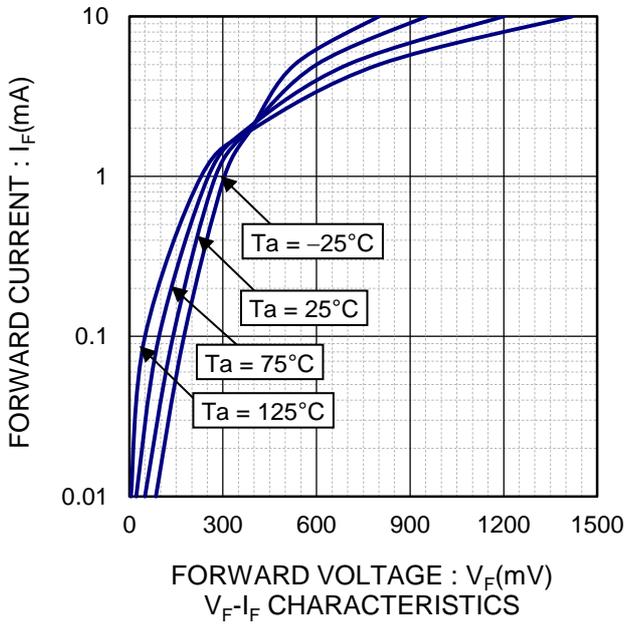
●Absolute maximum ratings (T_a= 25°C)

| Parameter | Symbol | Limits | Unit |
|-----------------------------------|------------------|-------------|------|
| Reverse voltage | V _R | 15 | V |
| Average forward rectified current | I _F | 10 | mA |
| Junction temperature | T _j | 125 | °C |
| Storage temperature | T _{stg} | -40 to +125 | °C |

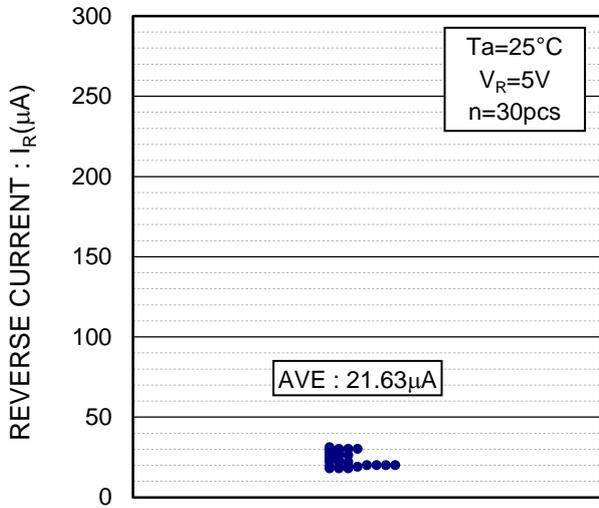
●Electrical characteristics (T_a= 25°C)

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-------------------------------|----------------|------|------|------|------|------------------------------|
| Forward voltage | V _F | - | - | 0.35 | V | I _F =1.0mA |
| Reverse current | I _R | - | - | 120 | μA | V _R =5.0V |
| Capacitance between terminals | C _t | - | 0.53 | 0.80 | pF | V _R =1.0V, f=1MHz |

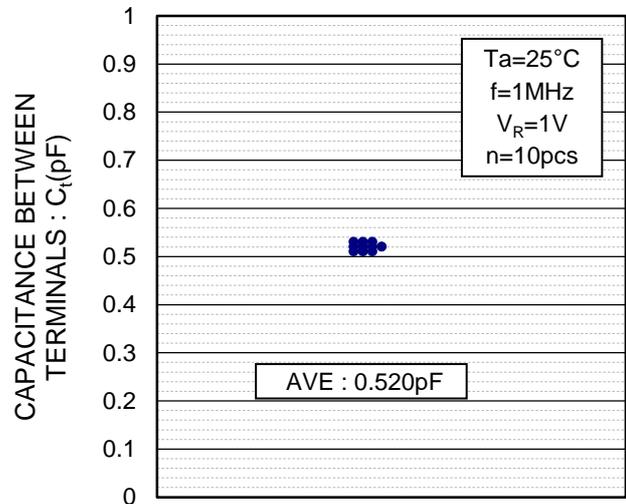
●Electrical characteristic curves



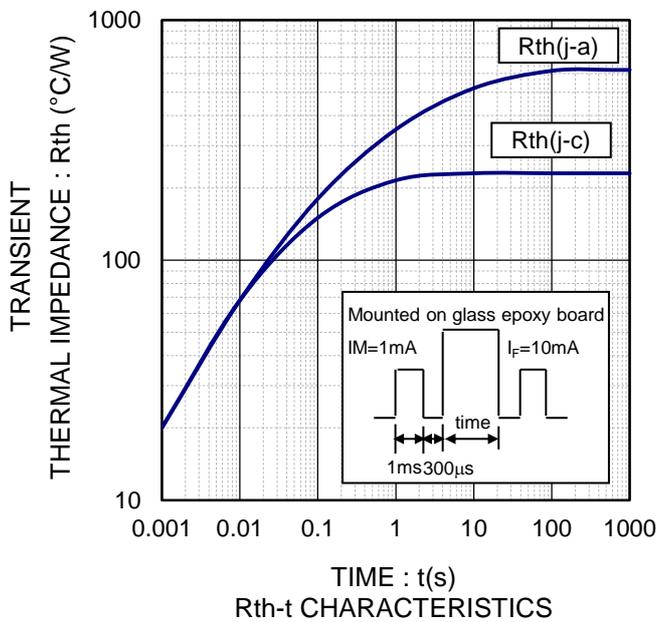
●Electrical characteristic curves



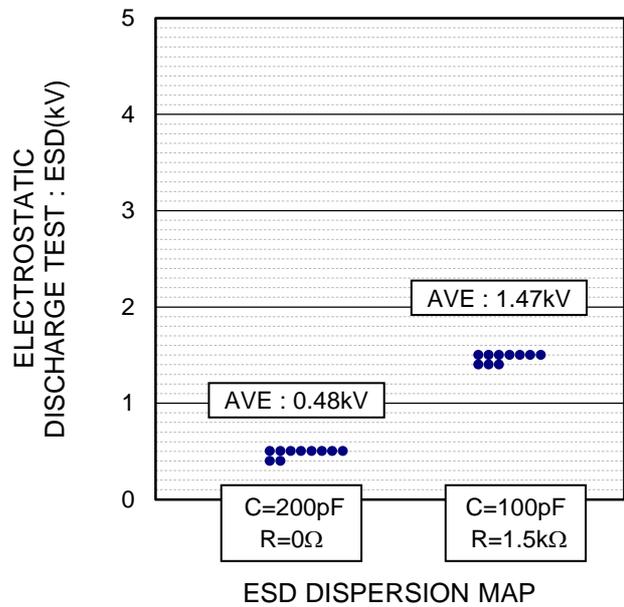
I_R DISPERSION MAP



C_t DISPERSION MAP



Rth-t CHARACTERISTICS



ESD DISPERSION MAP

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- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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