Low Capacitance Protection Device RSB12Z

Application

ESD Protection

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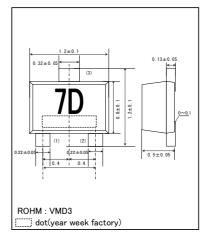
Features

- 1) Ultra small mold type. (VMD3)
- 2) Low capacitance
- 3) Bi direction

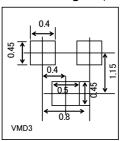
●Construction

Silicon Epitaxial Planar

●Dimensions (Unit: mm)



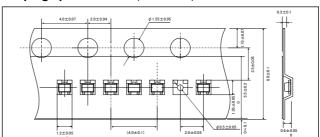
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



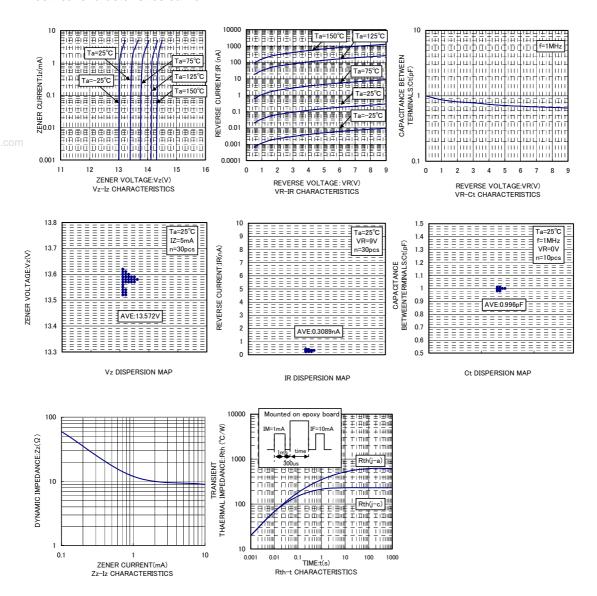
●Absolute maximum ratings (Ta=25°C)

| Parameter | Symbol | Limits | Unit |
|----------------------|--------|-------------|------|
| Power dissipation | Р | 150 | mW |
| Junction temperature | Tj | 150 | °C |
| Storage temperature | Tstg | -55 to +150 | °C |

●Electrical characteristics (Ta=25°C)

| Parameter | Symbol | Min. | Тур. | Max. | Unit | Conditions |
|-------------------------------|----------------|------|------|------|------|---------------------------|
| Zener voltage | V_Z | 9.6 | - | 14.4 | V | I _Z =5mA |
| Reverse current | I _R | - | - | 0.10 | μA | V _R =9V |
| Capacitance between terminals | Ct | - | 1 | - | pF | f=1MHz,V _R =0V |

•Electrical characteristics curve



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ROHM CO., LTD. 21 Saiin Mizosaki-cho, Ukyo-ku, Kyoto 615-8585, Japan

Appendix1-Rev2.0

TEL:+81-75-311-2121

FAX:+81-75-315-0172

