

Zener diode

VMZ6.8N

●Applications

Constant voltage control.

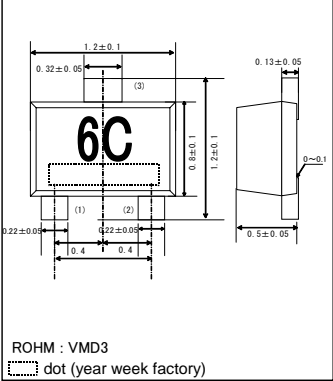
●Features

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

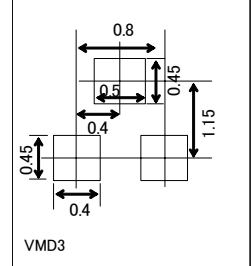
●Construction

Silicon epitaxial planar.

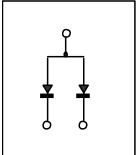
●External dimensions (Unit : mm)



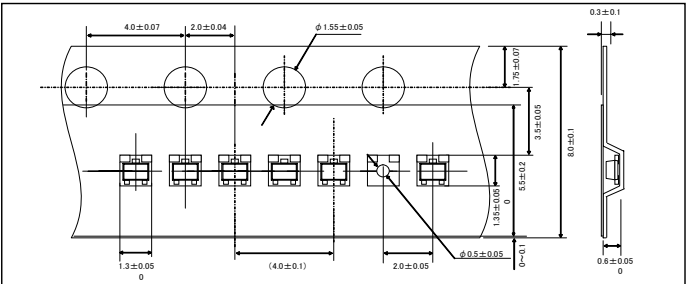
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

| Parameter              | Symbol | Limits      | Unit |
|------------------------|--------|-------------|------|
| Power dissipation (*1) | P      | 150         | mW   |
| Junction temperature   | Tj     | 150         | °C   |
| Storage temperature    | Tstg   | -55 to +150 | °C   |

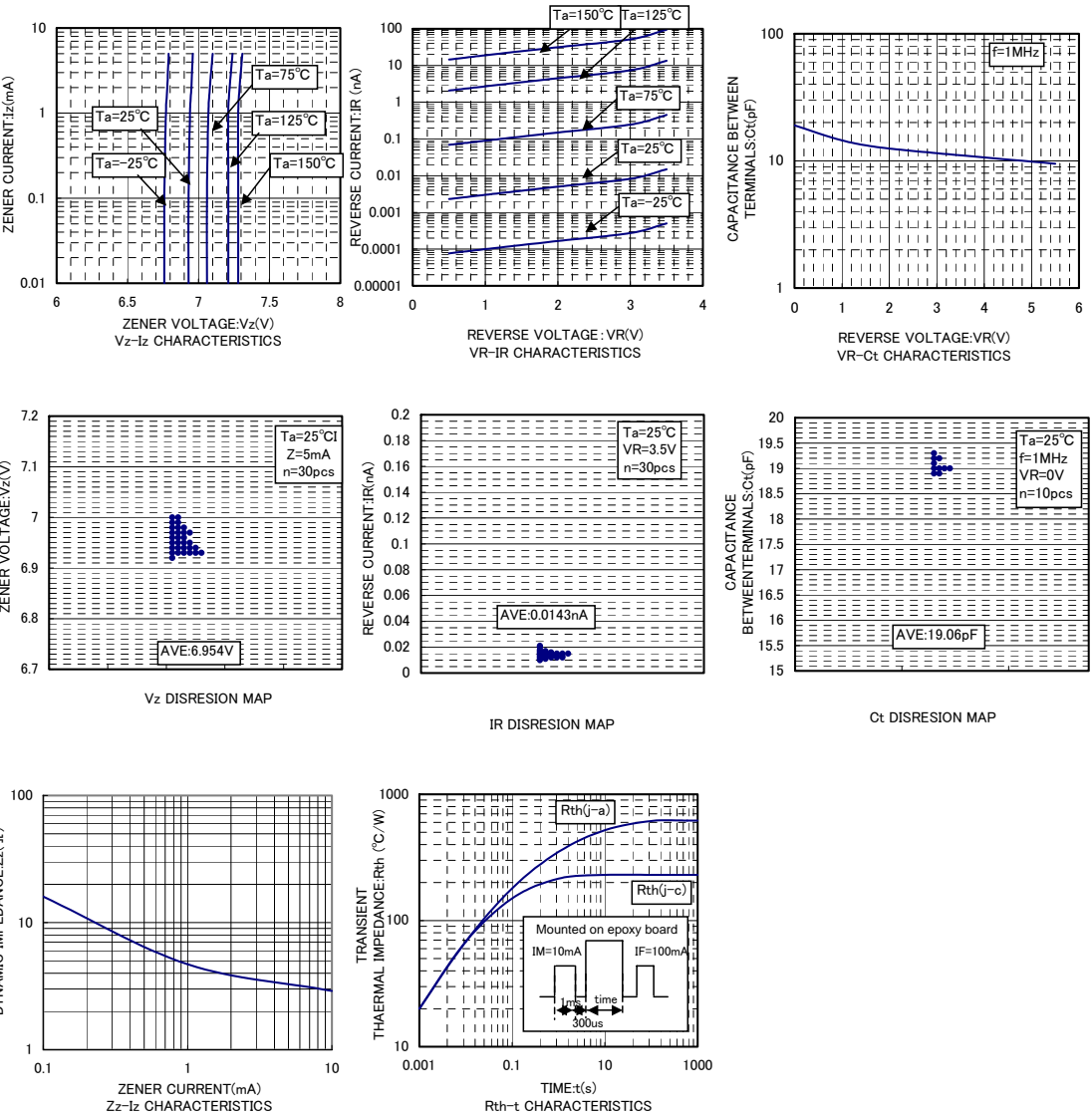
(\*1) Total of 2 elements

●Electrical characteristics (Ta=25°C)

| Parameter       | Symbol         | Min. | Typ. | Max. | Unit | Conditions           |
|-----------------|----------------|------|------|------|------|----------------------|
| Zener voltage   | V <sub>Z</sub> | 6.47 | -    | 7.14 | V    | I <sub>Z</sub> =5mA  |
| Reverse current | I <sub>R</sub> | -    | -    | 0.50 | μA   | V <sub>R</sub> =3.5V |

Diodes

●Electrical characteristic curves (Ta=25°C)



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