

# ESD Protection Diode

## CDZC6.8B

### ●Applications

ESD Protection

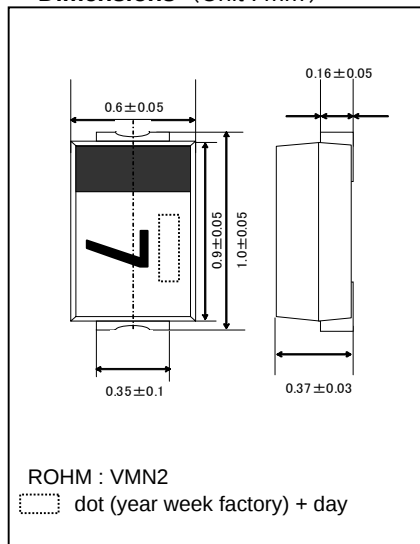
### ●Features

- 1)Ultra small mold type. (VMN2)
- 2)High reliability
- 3)Ultra low Capacitance

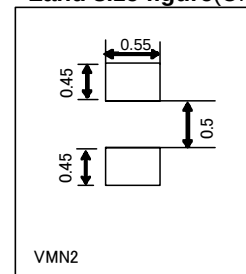
### ●Construction

Silicon epitaxial planar

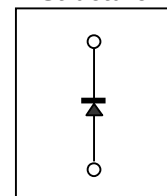
### ●Dimensions (Unit : mm)



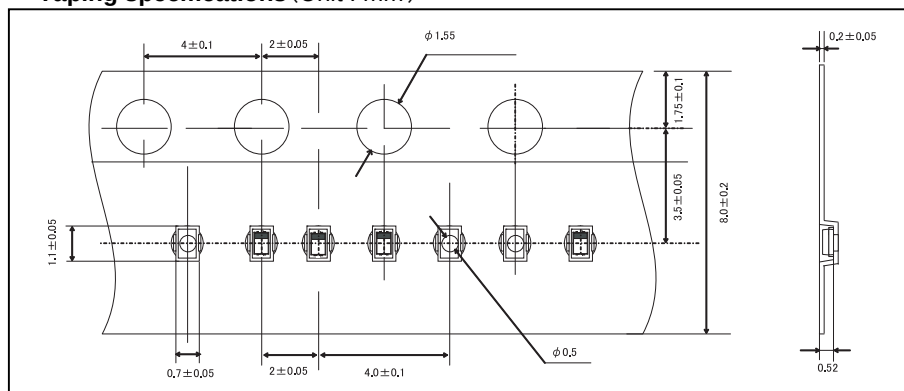
### ●Land size figure(Unit : mm)



### ●Structure



### ●Taping specifications (Unit : mm)



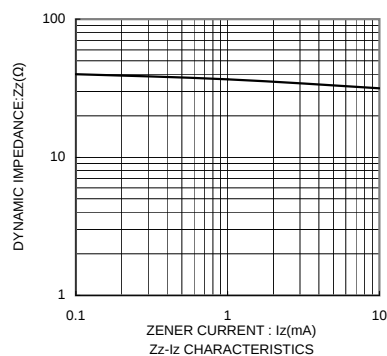
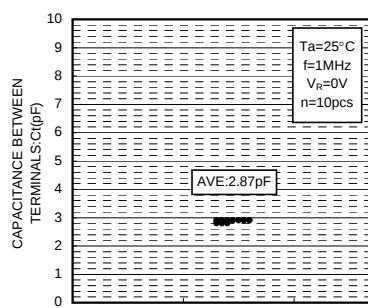
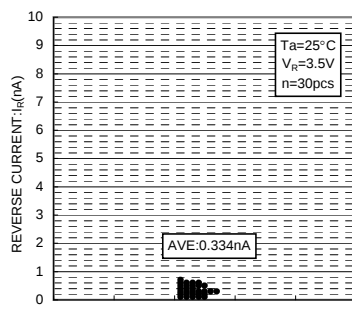
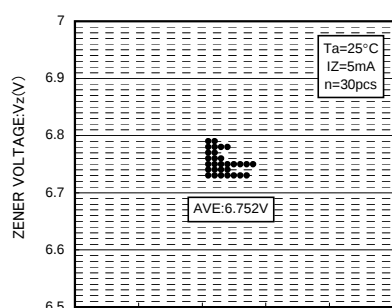
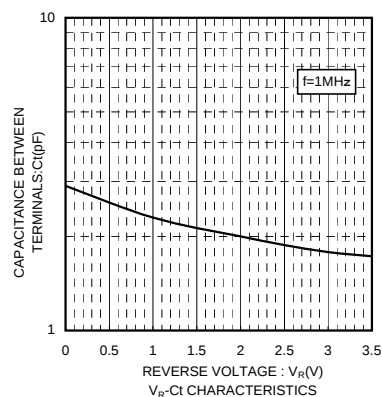
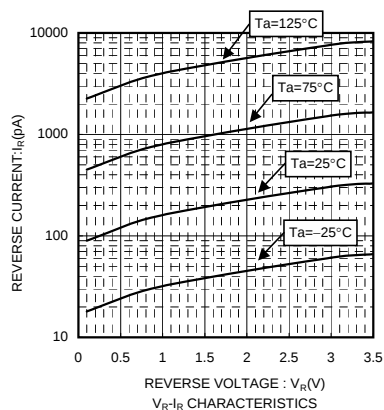
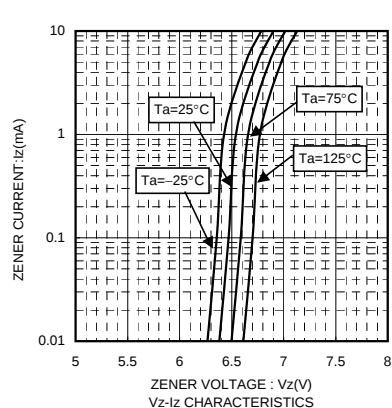
### ●Absolute maximum ratings (Ta=25°C)

| Parameter            | Symbol           | Limits      | Unit |
|----------------------|------------------|-------------|------|
| Power dissipation    | P                | 100         | mW   |
| Junction temperature | T <sub>j</sub>   | 150         | °C   |
| Storage temperature  | T <sub>stg</sub> | -55 to +150 | °C   |

### ●Electical voltage (Ta=25°C)

| Parameter                     | Symbol         | Min. | Typ. | Max. | Unit | Conditions                 |
|-------------------------------|----------------|------|------|------|------|----------------------------|
| Zener voltage                 | V <sub>Z</sub> | 6.65 | -    | 6.93 | V    | I <sub>Z</sub> =5mA        |
| Reverse current               | I <sub>R</sub> | -    | -    | 0.50 | μA   | V <sub>R</sub> =3.5V       |
| Capacitance between terminals | C <sub>t</sub> | -    | 3    | -    | pF   | V <sub>R</sub> =0V, f=1MHz |

# ●Electrical characteristic curves



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