

Zener diode

UMZ8.2N

●Application

Voltage regulation
(Anode common twin type)

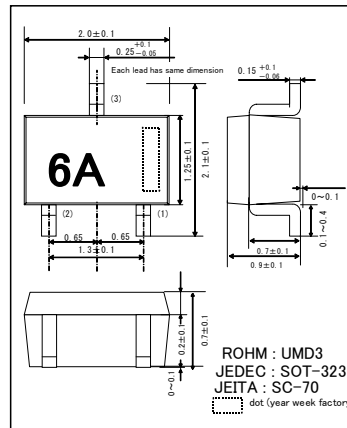
●Features

- 1) Small mold type. (UMD3)
- 2) High reliability.

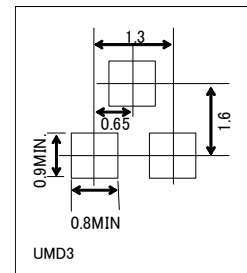
●Structure

Silicon epitaxial planer

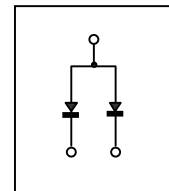
●External dimensions (Unit : mm)



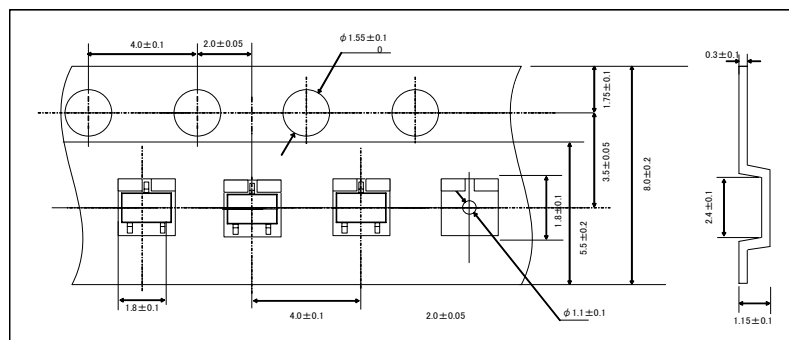
●Lead size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

| Parameter | Symbol | Limits | Unit |
|------------------------|--------|-------------|------|
| Power dissipation (1) | P | 200 | mW |
| Junction temperature | Tj | 150 | °C |
| Storage temperature | Tstg | -55 to +150 | °C |

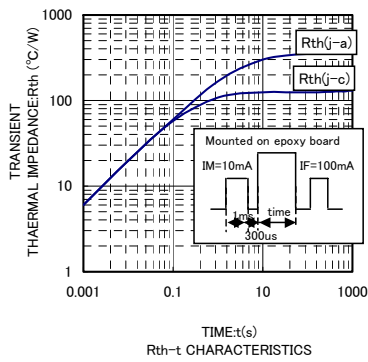
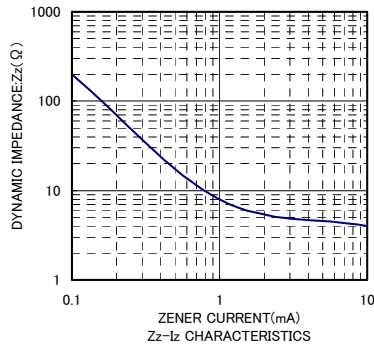
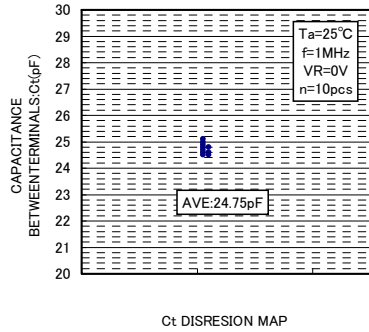
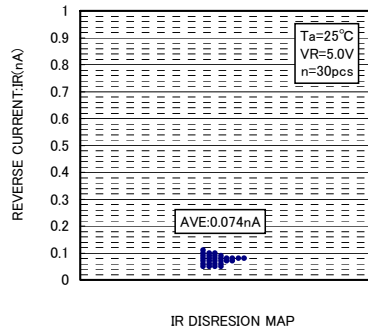
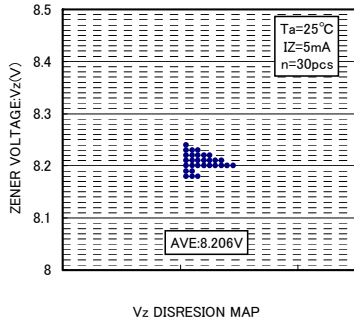
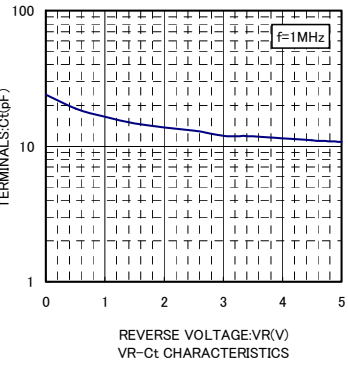
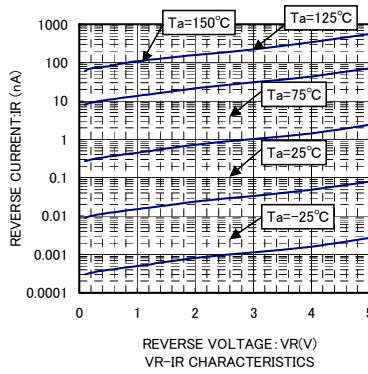
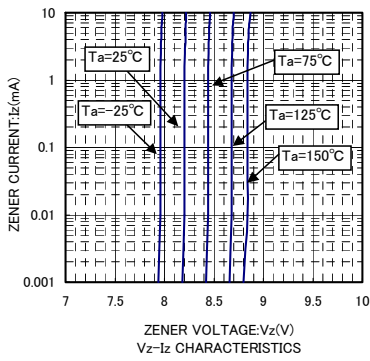
(*1)Total of 2 elements

●Electrical characteristics (Ta=25°C)

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-----------------------------|--------|------|------|------|------|------------|
| Zener voltage | Vz | 7.76 | - | 8.64 | V | Iz=5mA |
| Reverse current | IR | - | - | 0.50 | μA | VR=5V |
| Dynamic impedance | Zz | - | - | 30 | Ω | Iz=5mA |
| Rising operating resistance | Zzk | - | - | 60 | Ω | Iz=0.5mA |

Diodes

●Electrical characteristic curves (Ta=25°C)



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