

Zener diode

STZ6.8T

●Applications

Voltage regulation
(Cathode common twin type)

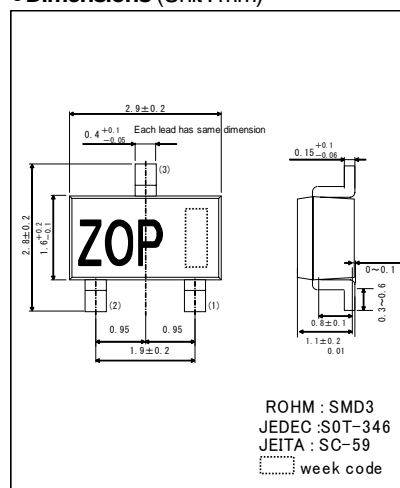
●Features

- 1) Small mold type. (SMD3)
- 2) High reliability.

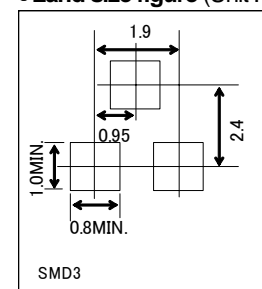
●Construction

Silicon epitaxial planar

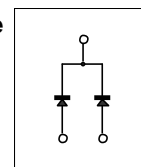
●Dimensions (Unit : mm)



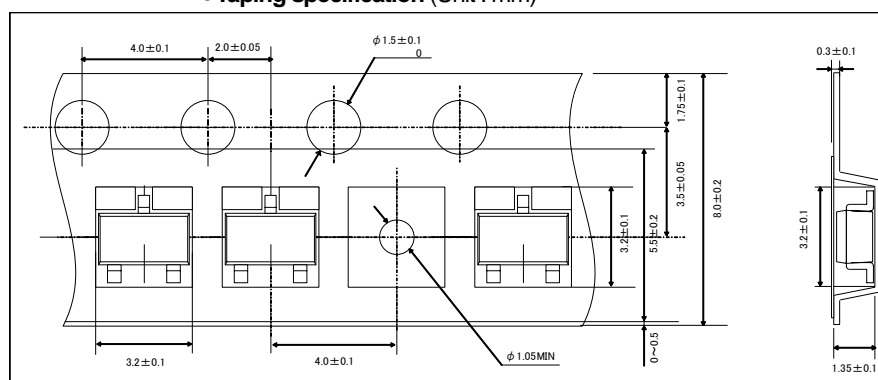
●Land size figure (Unit : mm)



●Structure



●Taping specification (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

| Parameter | Symbol | Limits | Unit |
|------------------------|------------------|-------------|------|
| Power dissipation (*1) | P | 200 | mW |
| Junction temperature | T _j | 150 | °C |
| Storage temperature | T _{stg} | -55 to +150 | °C |

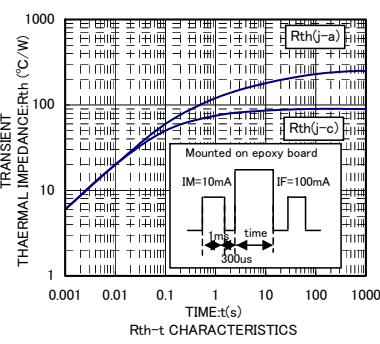
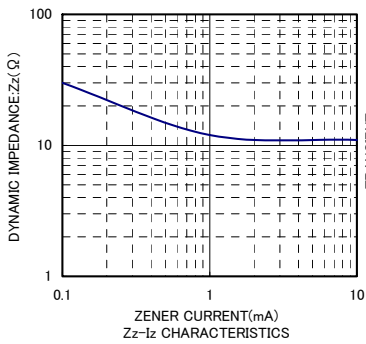
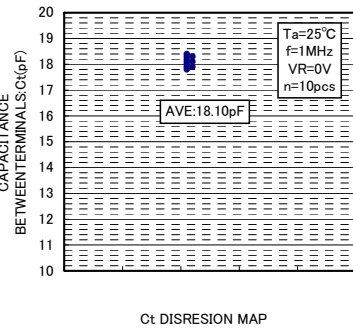
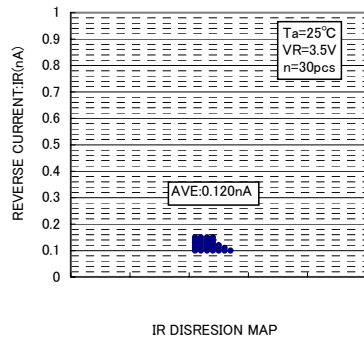
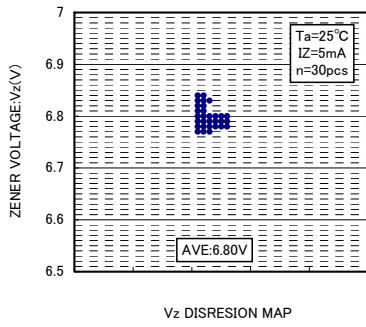
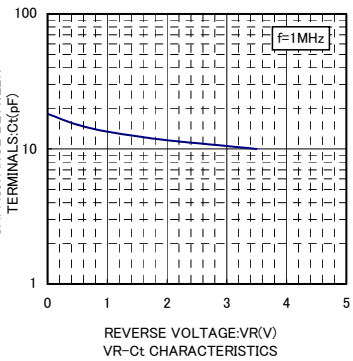
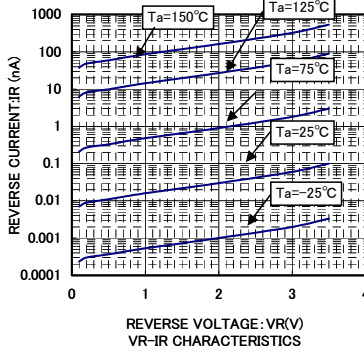
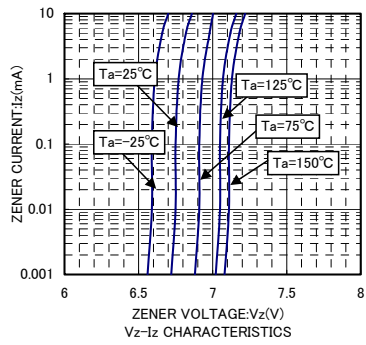
(*1) Total of 2 elements

●Electrical characteristics (Ta=25°C)

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-------------------|-----------------|------|------|------|------|-----------------------|
| Zener voltage | V _Z | 6.47 | - | 7.14 | V | I _Z =5mA |
| Reverse current | I _R | - | - | 0.50 | μA | V _R =3.5V |
| Dynamic impedance | Z _Z | - | - | 40 | Ω | I _Z =5mA |
| Zener impedance | Z _{Zk} | - | - | 60 | Ω | I _Z =0.5mA |

Diodes

●Electrical characteristic curves (Ta=25°C)



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