

Diodes

Zener diode

STZ6.2N

●Applications

Constant voltage control
Noise suppression on signal line

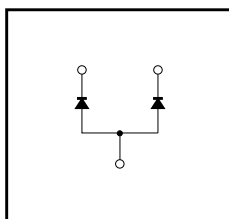
●Features

- 1) Small surface mounting type. (SMD3)
- 2) Multiple diodes with common anode configuration.
- 3) High reliability.

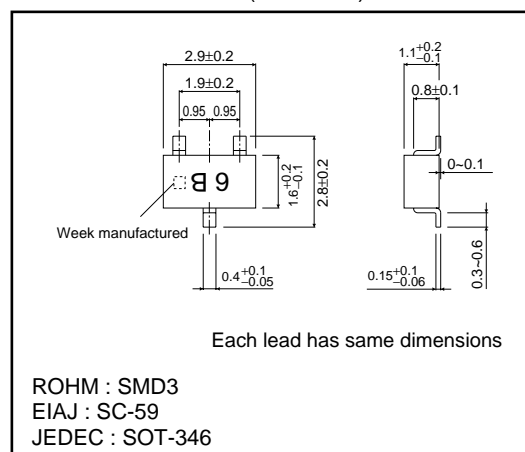
●Construction

Silicon epitaxial planar

●Circuit



●External dimensions (Units : mm)



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●Absolute maximum ratings (Ta = 25°C)

| Parameter | Symbol | Limits | Unit |
|----------------------|--------|----------|------|
| Power dissipation* | P | 200 | mW |
| Junction temperature | Tj | 150 | °C |
| Storage temperature | Tstg | -55~+150 | °C |

*Total of 2 elements

●Electrical characteristics (Ta = 25°C)

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-----------------------------|--------|------|------|------|------|------------|
| Zener voltage | Vz | 5.81 | - | 6.40 | V | Iz=5mA |
| Reverse current | IR | - | - | 1.00 | μA | VR=3.0V |
| Operating resistance | Zz | - | - | 60 | Ω | Iz=5mA |
| Rising operating resistance | ZzK | - | - | 100 | Ω | Iz=0.5mA |

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● Electrical characteristic curves (Ta = 25°C)

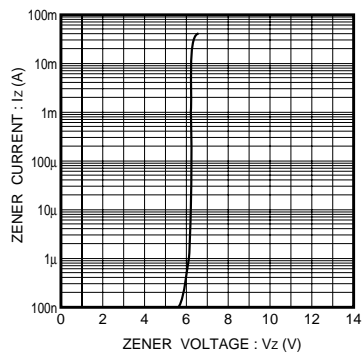


Fig. 1 Zener voltage characteristics

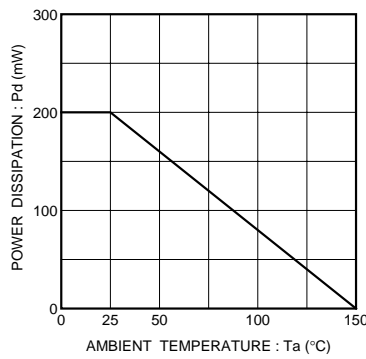


Fig. 2 Derating curve