

Zener diode

STZ6.2N

●Applications

Constant voltage control
Noise suppression on signal line

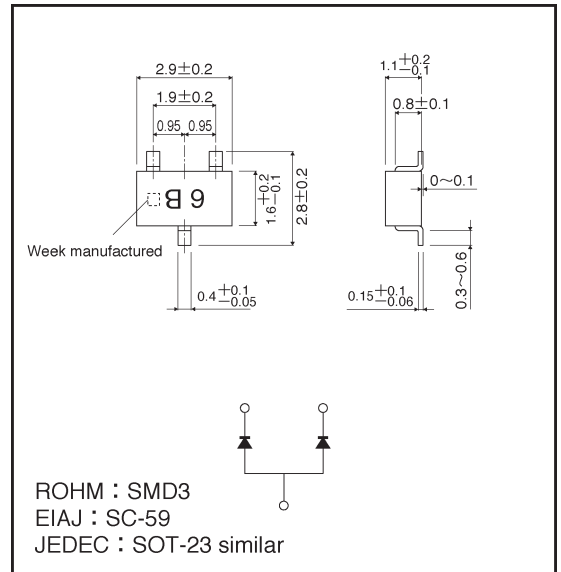
●Features

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

●Construction

Silicon epitaxial planar

●External dimensions (Units: mm)



●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 | 6.2 | 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 |

- Electrical characteristic curve ($T_a = 25^\circ\text{C}$ unless specified otherwise)

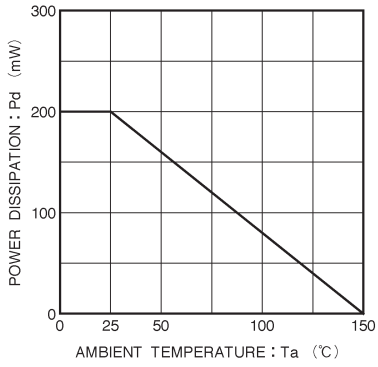


Fig. 1 Derating curve