

Features

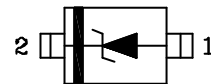
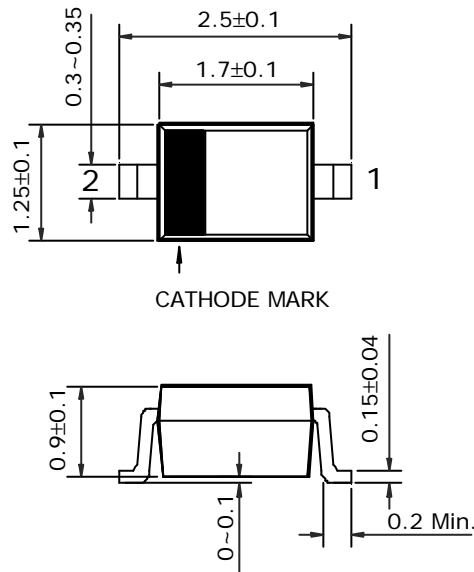
- Compact type
- Radiation size 1.25mm × 1.7mm
- Surface mount lead configuration

Ordering Information

| Type NO. | Marking | Package Code |
|----------|---------|--------------|
| SDZ5V6D | Z3 | SOD-323 |

Outline Dimensions

unit : mm



PIN Connections

1. Anode
2. Cathode

Absolute maximum ratings

(Ta=25°C)

| Characteristic | Symbol | Ratings | Unit |
|----------------------|-----------|-----------|------|
| Power dissipation | P_D | 200 | mW |
| Junction temperature | T_j | 150 | °C |
| Storage temperature | T_{stg} | -55 ~ 150 | °C |

Electrical Characteristics

(Ta=25°C)

| Characteristic | Symbol | Test Condition | Min. | Typ. | Max. | Unit |
|------------------------|----------|----------------|------|------|------|----------|
| Zener voltage | V_Z | $I_Z=5mA$ | 5.35 | - | 5.85 | V |
| Dynamic impedance | Z_{ZT} | $I_Z=5mA$ | - | - | 25 | Ω |
| KNEE dynamic impedance | Z_{ZK} | $I_Z=0.25mA$ | - | - | 1800 | Ω |
| Reverse current | I_R | $V_R=3V$ | - | - | 2 | μA |

Electrical Characteristic Curves

Fig. 1 P_D, T_a

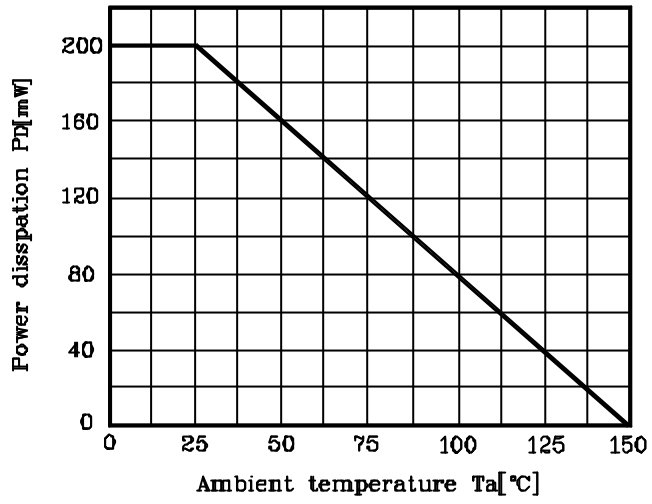


Fig. 2 I_Z, V_Z

