

## Features

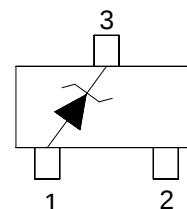
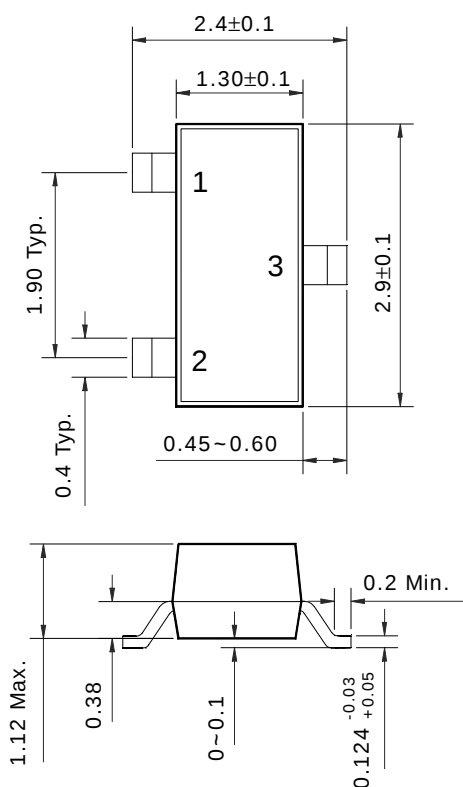
- Compact type
- Radiation size 1.3mm × 2.9mm
- Surface mount lead configuration

## Ordering Information

| Type NO. | Marking | Package Code |
|----------|---------|--------------|
| SDZ6V2   | Z4      | SOT-23       |

## Outline Dimensions

unit : mm



### PIN Connections

1. Anode
2. NC
3. Cathode

**Absolute maximum ratings**

(Ta=25°C)

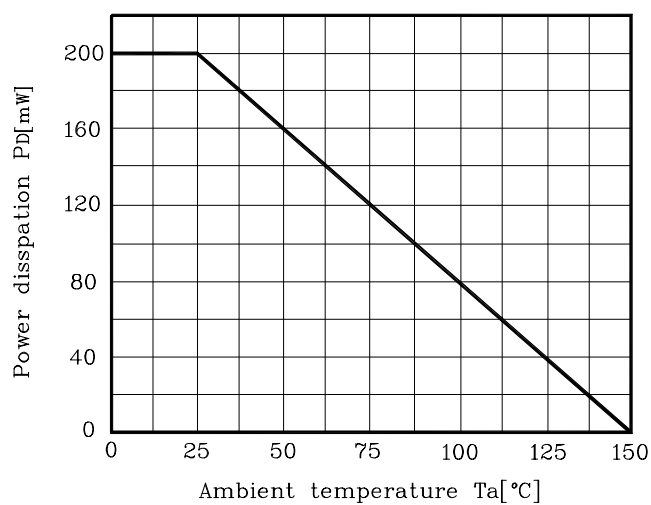
| Characteristic       | Symbol    | Ratings   | Unit |
|----------------------|-----------|-----------|------|
| Power dissipation    | $P_D$     | 200       | mW   |
| Junction temperature | $T_j$     | 150       | °C   |
| Storage temperature  | $T_{stg}$ | -55 ~ 150 | °C   |

**Electrical Characteristics**

(Ta=25°C)

| Characteristic         | Symbol   | Test Condition      | Min. | Typ. | Max. | Unit          |
|------------------------|----------|---------------------|------|------|------|---------------|
| Zener voltage          | $V_Z$    | $I_Z=5\text{mA}$    | 5.93 | -    | 6.47 | V             |
| Dynamic impedance      | $Z_{ZT}$ | $I_Z=5\text{mA}$    | -    | -    | 10   | $\Omega$      |
| KNEE dynamic impedance | $Z_{ZK}$ | $I_Z=0.25\text{mA}$ | -    | -    | 1300 | $\Omega$      |
| Reverse current        | $I_R$    | $V_R=4\text{V}$     | -    | -    | 1    | $\mu\text{A}$ |

## Electrical Characteristic Curves

Fig. 1  $P_D$ - $T_a$ Fig. 2  $I_Z$ - $V_Z$ 