

MAYS062

Silicon planar type

For waveform clipper

For surge absorption circuit

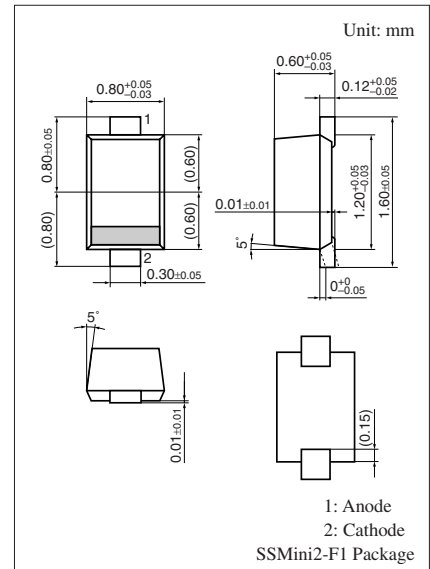
■ Features

- Low joint capacity zener diode: $V_Z = 6.2$ V
- SS-Mini type 2-pin package

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

| Parameter | Symbol | Rating | Unit |
|---------------------------------|-----------|-------------|------------------|
| Repetitive peak forward current | I_{FRM} | 200 | mA |
| Total power dissipation * | P_{tot} | 150 | mW |
| Junction temperature | T_j | 150 | $^\circ\text{C}$ |
| Storage temperature | T_{stg} | -55 to +150 | $^\circ\text{C}$ |

Note) * : With a printed-circuit board



Marking Symbol: E6

■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$ *1

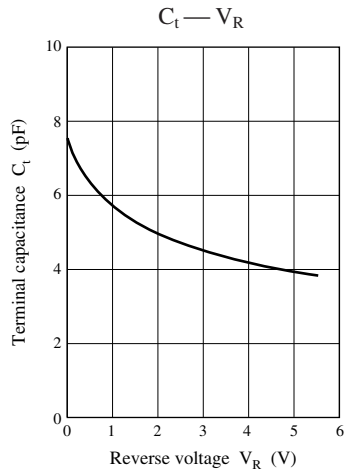
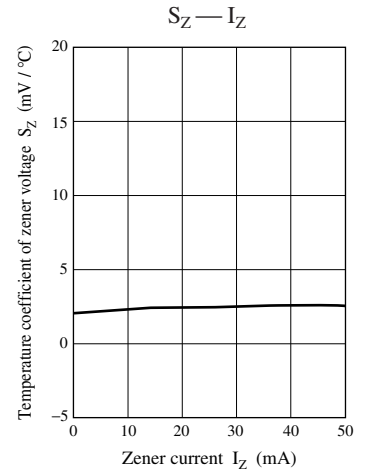
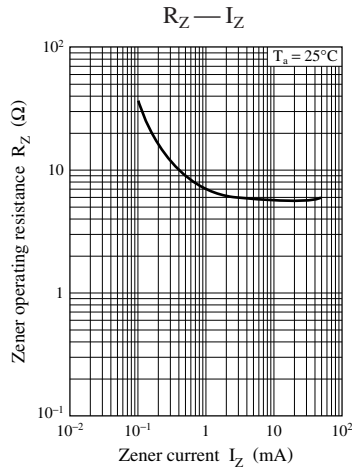
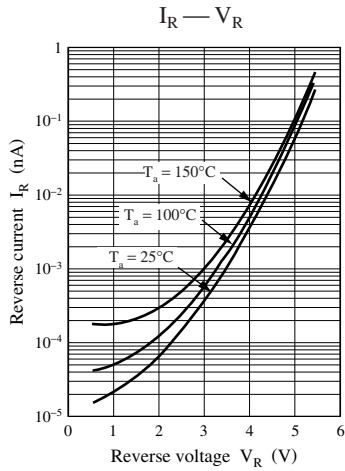
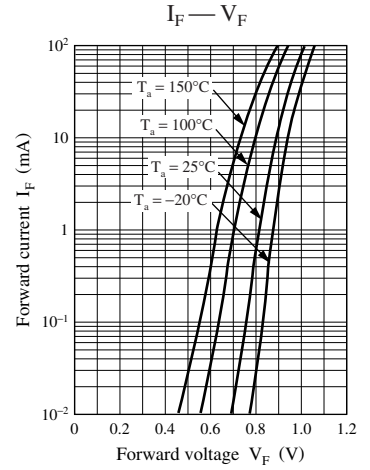
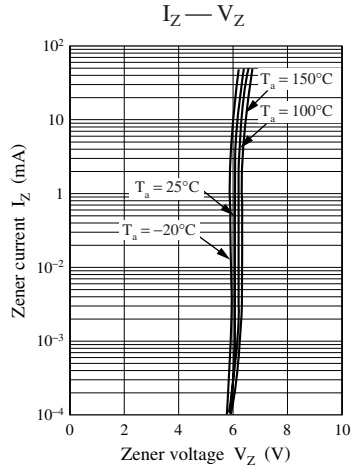
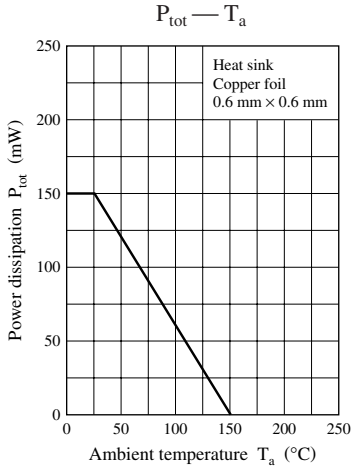
| Parameter | Symbol | Conditions | Min | Typ | Max | Unit |
|----------------------|----------|--------------------------|-----|-----|-----|---------------|
| Forward voltage | V_F | $I_F = 10$ mA | | 0.9 | 1.0 | V |
| Zener voltage *2 | V_Z | $I_Z = 5$ mA | 5.9 | | 6.5 | V |
| Operating resistance | R_{ZK} | $I_Z = 0.5$ mA | | | 100 | Ω |
| | R_Z | $I_Z = 5$ mA | | | 30 | |
| Reverse current | I_R | $V_R = 5.5$ V | | | 3 | μA |
| Terminal capacitance | C_t | $V_R = 0$ V, $f = 1$ MHz | | 8 | | pF |

Note) 1. Test method according to the JIS C7031 testing

2. Rated input/output frequency: 5 MHz

3. *1: The V_Z value is for the temperature of 25°C . In other cases, carry out the temperature compensation.

*2: Guaranteed at 20 ms after power application.



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