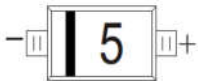


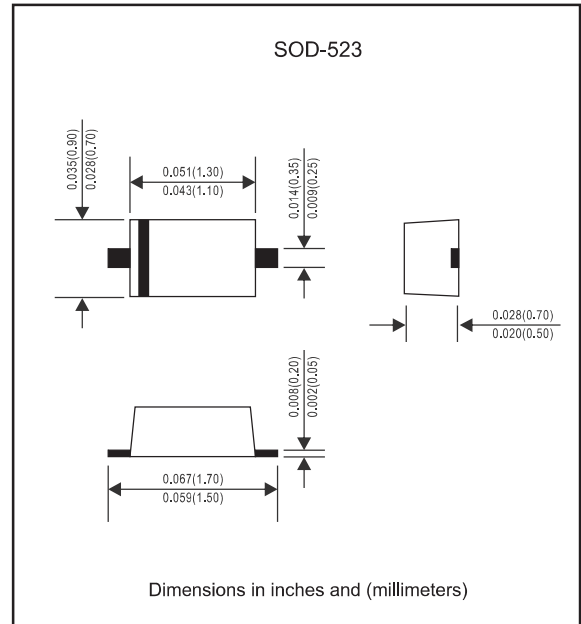
FEATURES

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability

MARKING: 5



Package outline



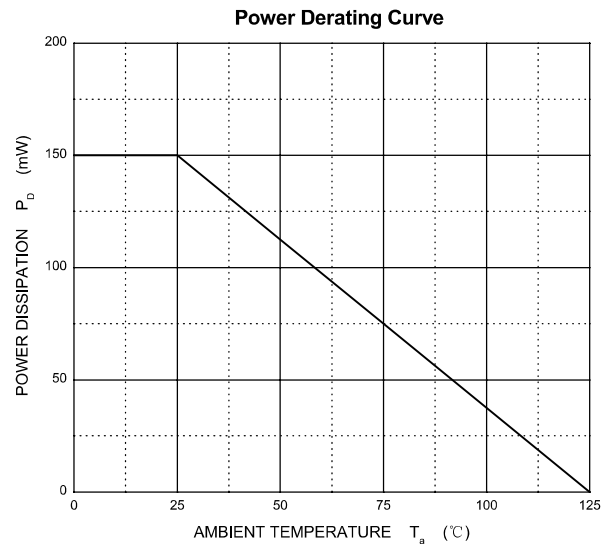
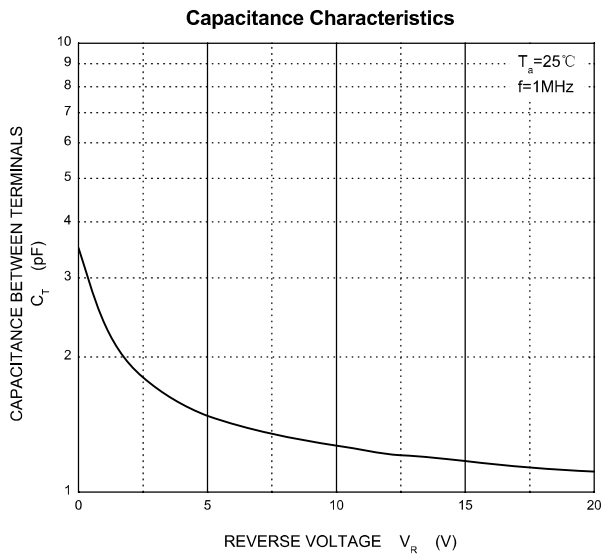
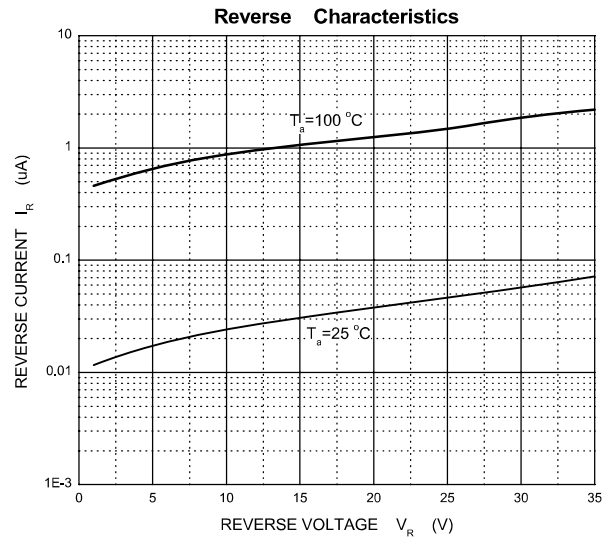
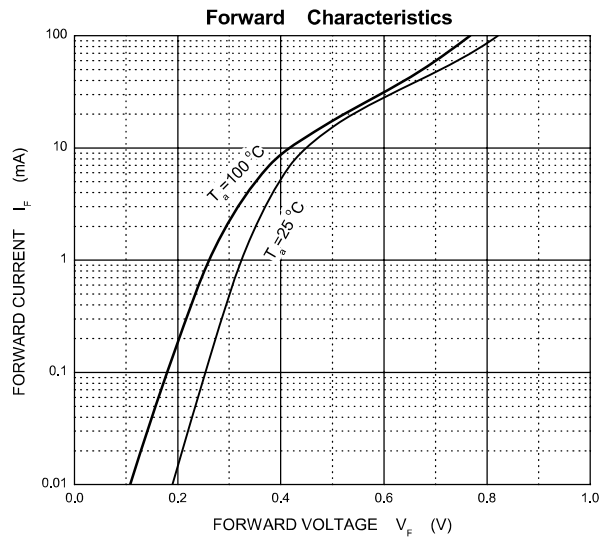
Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25°C

| Parameter | Symbol | Limit | Unit |
|---|-----------------|------------|------|
| Peak reverse voltage | V_{RM} | 40 | V |
| DC reverse voltage | V_R | 40 | V |
| Mean rectifying current | I_O | 30 | mA |
| Non-repetitive Peak Forward Surge Current@t=8.3ms | I_{FSM} | 200 | mA |
| Power dissipation | P_D | 150 | mW |
| Thermal Resistance Junction to Ambient | $R_{\theta JA}$ | 667 | °C/W |
| Operating Junction Temperature Range | T_j | -40 ~ +125 | °C |
| Storage Temperature Range | T_{stg} | -55 ~ +150 | °C |

Electrical Ratings @Ta=25°C

| Parameter | Symbol | Min | Typ | Max | Unit | Conditions |
|-------------------------------|------------|------|-----|------|------|------------------|
| Reverse voltage | $V_{(BR)}$ | 40 | | | V | $I_R=1mA$ |
| Forward voltage | V_F | 0.20 | | 0.37 | V | $I_F=1mA$ |
| Reverse current | I_R | 0.01 | | 0.5 | μA | $V_R=30V$ |
| Capacitance between terminals | C_T | 0.5 | 2 | 10 | pF | $V_R=1V, f=1MHZ$ |

Typical Characteristics



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