

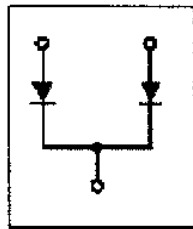
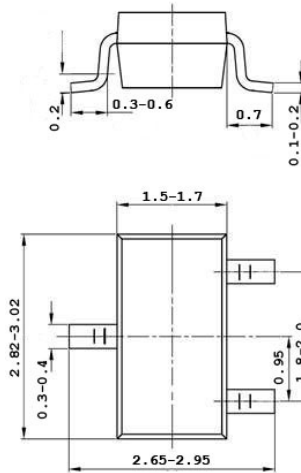
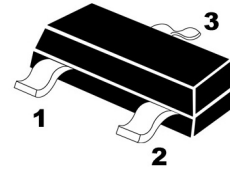
SCHOTTKY BARRIER DIODE

VOLTAGE RANGE: 25 VOLTS

CURRENT: 400mA

FEATURES

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


MARKING: D3Q
SOT-23-3L


Unit: mm

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

| Parameters | Symbols | Limits | UNITS |
|----------------------------|-----------|----------|-------|
| Peak Reverse Voltage | V_{RM} | 40 | V |
| DC Reverse Voltage | V_R | 25 | V |
| Mean Rectifying Current | I_O | 400 | mA |
| Peak Forward Surge Current | I_{FSM} | 2 | A |
| Junction Temperature | T_{ij} | -40~+125 | °C |
| Storage Temperature | T_{stg} | -30~+85 | °C |

ELECTRICAL RATINGS

| Parameters | Symbols | Test conditions | Min. | Typ. | Max. | UNITS |
|-----------------|----------|-----------------|------|------|------|-------|
| Forward Voltage | V_{F1} | $I_F=10mA$ | | | 0.3 | V |
| | V_{F2} | $I_F=200mA$ | | | 0.5 | V |
| Reverse Current | I_R | $V_R=25V$ | | | 70 | μA |

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