

Schottky Barrier Diode

VOLTAGE RANGE: 30V

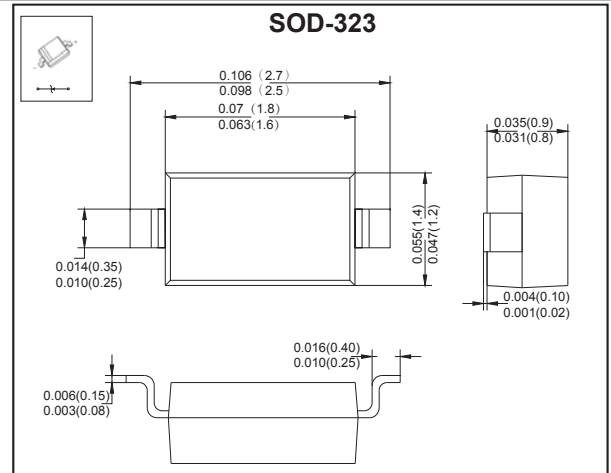
PEAK PULSE POWER:200mW

FEATURES

- Low current rectifier schottky diode
- Low voltage, low inductance
- For powersupply

MECHANICAL DATA

- Case: SOD-323 Small Outline Plastic Package
- Polarity: Color band denotes cathode end
- Mounting Position: Any



MAXIMUM RATINGS AND CHARACTERISTICS

Ratings at 25 C ambient temperature unless otherwise specified

| Parameter | S | ymbol | Limit | Unit |
|---|---|-------|----------|------|
| Peak reverse voltage | | VRM | 30 | V |
| DC reverse voltage | | VR | 30 | V |
| Mean rectifying current | | IO | 0.5 | A |
| Non-repetitive Peak Forward Surge Current@t=8.3ms | | IFSM | 2 | A |
| Power dissipation | | Pd | 200 | mW |
| Thermal Resistance Junction to Ambient | | RθJA | 500 | °C/W |
| Junction temperature | | Tj | 125 | °C |
| Storage temperature | | Tstg | -55~+150 | °C |

Electrical Specification (TA=25@25°C unless otherwise specified)

| Parameter | Symbol | Min | Typ | Max | Unit | Conditions |
|-----------------|--------|-----|-----|--------------|------|----------------------|
| Forward voltage | VF | | | 0.36 0.47 | V | IF=100mA IF=500mA |
| Reverse current | IR | | 100 | | μA | VR=20V |

MAKING: D

RATINGS AND CHARACTERISTIC CURVES

Typical Characteristics

