

## CDSV3-204-G

**Voltage: 20 Volts**

**Average forward current: 100 mA**

**RoHS Device**

### Features

Designed for mounting on small surface.

High speed switching.

High mounting capability, strong surge withstand, high reliability.

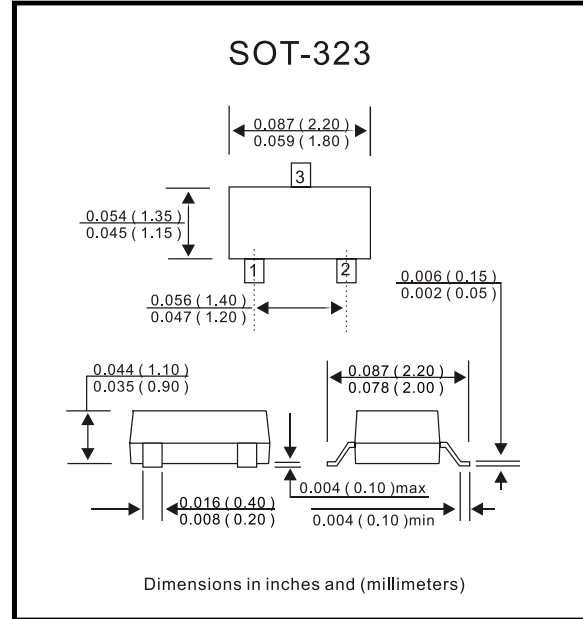
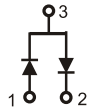
### Mechanical data

Case:SOT-323, molded plastic.

Terminals: Solder plated, solderable per MIL-STD-750, method 208.

Approx. weight: 0.006 gram

CDSV3-204-G



### Maximum Ratings and Electrical Characteristics

( at Ta = 25°C unless otherwise noted )

| Parameter                           | Condition    | Symbol | Value       | Unit |
|-------------------------------------|--------------|--------|-------------|------|
| Repetitive peak reverse voltage     |              | VRRM   | 20          | V    |
| Reverse voltage                     |              | VR     | 20          | V    |
| Peak forward current                |              | Io     | 100         | mA   |
| Surge peak forward current          | T = 1.0 uS   | IFSM   | 300         | mA   |
| Power dissipation                   |              | Pd     | 150         | mW   |
| Maximum forward voltage             | @ IF = 10 mA | VF     | 1.0         | V    |
| Maximum reverse current             | @ VR = 15V   | IR     | 0.1         | uA   |
| Max. operation junction temperature |              | Tj     | 150         | °C   |
| Storage temperature                 |              | TSTG   | -55 to +150 | °C   |

## RATING AND CHARACTERISTIC CURVES (CDSV3-204-G)

Fig. 1 - Forward characteristics

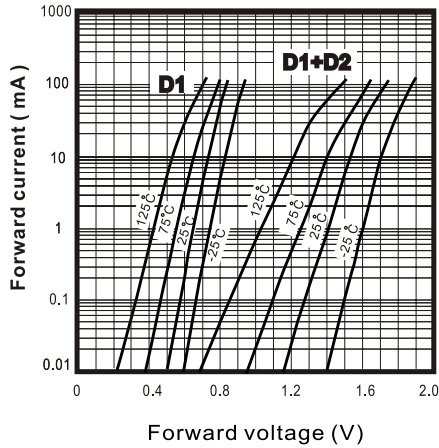


Fig. 2 - Reverse characteristics

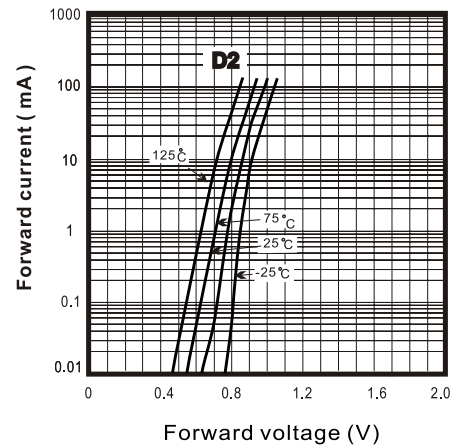


Fig. 3 - Capacitance between terminals characteristics

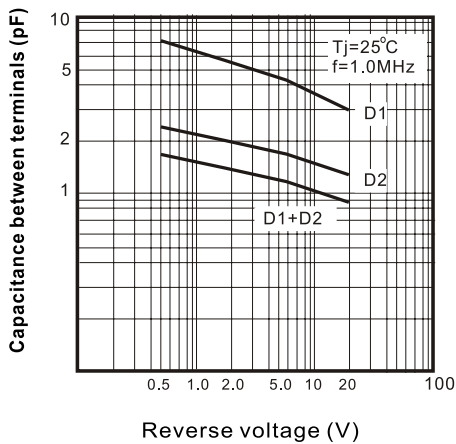


Fig. 4 - Reverse characteristics

