

CMOD6263

**SURFACE MOUNT  
HIGH VOLTAGE  
SILICON SCHOTTKY DIODE**

**ULTRA**mini™



**SOD-523 CASE**



[www.centrasemi.com](http://www.centrasemi.com)

The CENTRAL SEMICONDUCTOR CMOD6263 is a High Voltage Silicon Schottky diode in an epoxy-molded ULTRAmmini™ package, designed for surface mount fast switching applications requiring a low forward voltage drop.

**MARKING CODE: 63**

**FEATURES:**

- High voltage
- ULTRAmmini™ package
- Low forward voltage

**MAXIMUM RATINGS:** ( $T_A=25^\circ\text{C}$ )

Peak Repetitive Reverse Voltage  
Continuous Forward Current  
Peak Forward Surge Current,  $t_p=1.0\text{s}$   
Power Dissipation  
Operating and Storage Junction Temperature  
Thermal Resistance

**SYMBOL**

|                |             |                    |
|----------------|-------------|--------------------|
| $V_{RRM}$      | 70          | V                  |
| $I_F$          | 15          | mA                 |
| $I_{FSM}$      | 50          | mA                 |
| $P_D$          | 250         | mW                 |
| $T_J, T_{stg}$ | -65 to +150 | $^\circ\text{C}$   |
| $\Theta_{JA}$  | 500         | $^\circ\text{C/W}$ |

**ELECTRICAL CHARACTERISTICS:** ( $T_A=25^\circ\text{C}$ )

| SYMBOL   | TEST CONDITIONS                                           | MIN | TYP | MAX | UNITS |
|----------|-----------------------------------------------------------|-----|-----|-----|-------|
| $I_R$    | $V_R=50\text{V}$                                          |     | 98  | 200 | nA    |
| $BV_R$   | $I_R=10\mu\text{A}$                                       | 70  |     |     | V     |
| $V_F$    | $I_F=1.0\text{mA}$                                        |     | 395 | 410 | mV    |
| $C_T$    | $V_R=0, f=1.0\text{MHz}$                                  |     |     | 2.0 | pF    |
| $t_{rr}$ | $I_R=I_F=10\text{mA}, I_{rr}=1.0\text{mA}, R_L=100\Omega$ |     |     | 5.0 | ns    |

R4 (11-April 2011)

**CMOD6263**

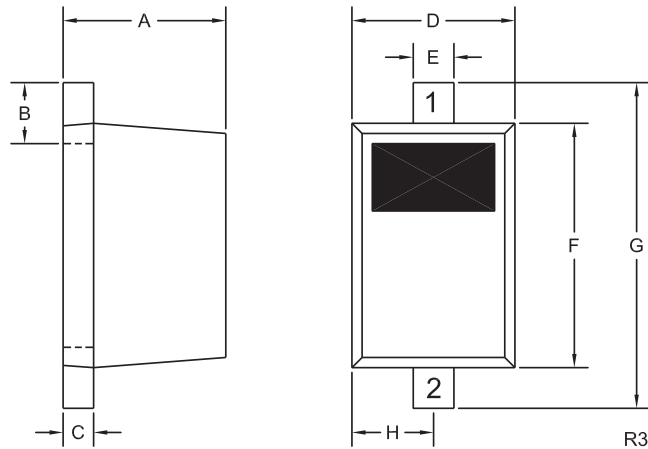
**SURFACE MOUNT**

**HIGH VOLTAGE**

**SILICON SCHOTTKY DIODE**



**SOD-523 CASE - MECHANICAL OUTLINE**



**LEAD CODE:**

- 1) Cathode
- 2) Anode

**MARKING CODE: 63**

| DIMENSIONS |        |       |             |      |
|------------|--------|-------|-------------|------|
| SYMBOL     | INCHES |       | MILLIMETERS |      |
|            | MIN    | MAX   | MIN         | MAX  |
| A          | 0.020  | 0.031 | 0.50        | 0.80 |
| B          | 0.008  | 0.016 | 0.20        | 0.40 |
| C          | 0.002  | 0.008 | 0.05        | 0.20 |
| D          | 0.028  | 0.035 | 0.70        | 0.90 |
| E          | 0.008  | 0.014 | 0.20        | 0.35 |
| F          | 0.039  | 0.055 | 1.00        | 1.40 |
| G          | 0.055  | 0.071 | 1.40        | 1.80 |
| H          | 0.016  |       | 0.40        |      |

SOD-523 (REV: R3)

R4 (11-April 2011)