



CMSSH-3  
CMSSH-3A  
CMSSH-3C  
CMSSH-3S

SUPER-MINI  
SCHOTTKY DIODES




SOT-323 CASE

The following configurations are available:

|          |                      |                   |
|----------|----------------------|-------------------|
| CMSSH-3  | SINGLE               | MARKING CODE: 95D |
| CMSSH-3A | DUAL, COMMON ANODE   | MARKING CODE: B1D |
| CMSSH-3C | DUAL, COMMON CATHODE | MARKING CODE: B2D |
| CMSSH-3S | DUAL, IN SERIES      | MARKING CODE: A5D |

MAXIMUM RATINGS (T<sub>A</sub>=25°C)

|                                 | SYMBOL                            |             | UNITS |
|---------------------------------|-----------------------------------|-------------|-------|
| Peak Repetitive Reverse Voltage | V <sub>RRM</sub>                  | 30          | V     |
| Continuous Forward Current      | I <sub>F</sub>                    | 100         | mA    |
| Peak Repetitive Forward Current | I <sub>FRM</sub>                  | 350         | mA    |
| Forward Surge Current, tp=10ms  | I <sub>FSM</sub>                  | 750         | mA    |
| Power Dissipation               | P <sub>D</sub>                    | 250         | mW    |
| Operating and Storage           |                                   |             |       |
| Junction Temperature            | T <sub>J</sub> , T <sub>stg</sub> | -65 to +150 | °C    |
| Thermal Resistance              | θ <sub>JA</sub>                   | 500         | °C/W  |

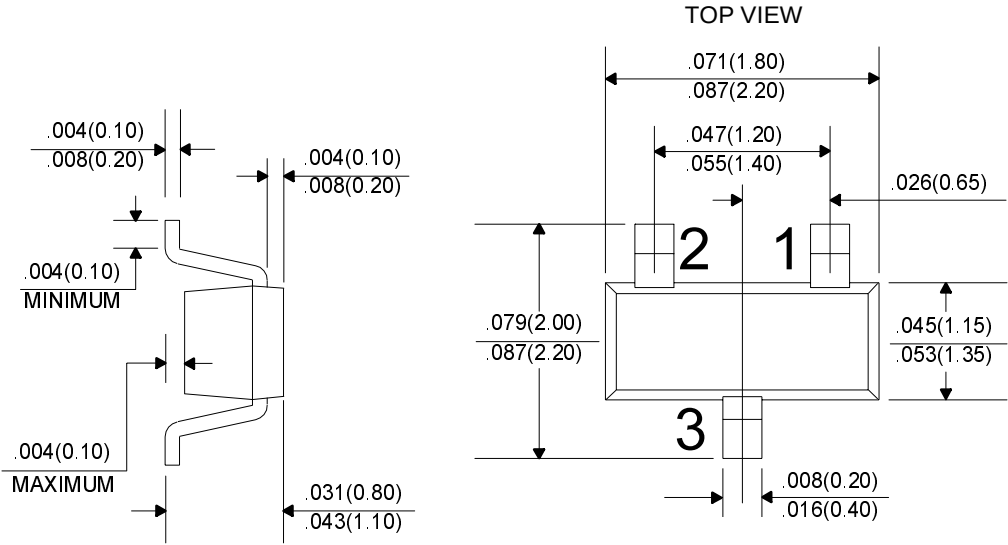
ELECTRICAL CHARACTERISTICS (T<sub>A</sub>=25°C unless otherwise noted)

| SYMBOL           | TEST CONDITIONS                                                                    | MIN | TYP  | MAX  | UNIT |
|------------------|------------------------------------------------------------------------------------|-----|------|------|------|
| B <sub>V</sub> R | I <sub>R</sub> =100μA                                                              | 30  |      |      | V    |
| V <sub>F</sub>   | I <sub>F</sub> =2.0mA                                                              |     | 0.29 | 0.33 | V    |
| V <sub>F</sub>   | I <sub>F</sub> =15mA                                                               |     | 0.40 | 0.45 | V    |
| V <sub>F</sub>   | I <sub>F</sub> =100mA                                                              |     | 0.74 | 1.00 | V    |
| I <sub>R</sub>   | V <sub>R</sub> =25V                                                                |     | 90   | 500  | nA   |
| I <sub>R</sub>   | V <sub>R</sub> =25V, T <sub>A</sub> =100°C                                         |     | 25   | 100  | μA   |
| C <sub>T</sub>   | V <sub>R</sub> =1.0V, f=1 MHz                                                      |     | 7.0  |      | pF   |
| t <sub>rr</sub>  | I <sub>F</sub> =I <sub>R</sub> =10mA, I <sub>rr</sub> =1.0mA, R <sub>L</sub> =100Ω |     |      | 5.0  | ns   |

DESCRIPTION

The CENTRAL SEMICONDUCTOR CMSSH-3 Series types are Silicon Schottky diodes, epoxy molded in a super-mini surface mount package, designed for fast switching applications requiring a low forward voltage drop.

All Dimensions in Inches (mm).



### Lead Code

