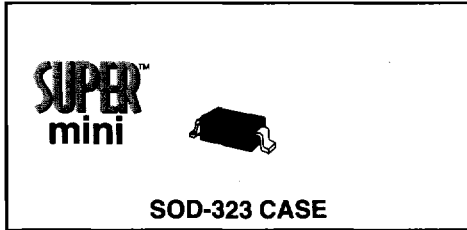


**CMDSH2-3**

**SUPER-MINI  
SCHOTTKY DIODE  
HIGH CURRENT - 200mA**



**Central™**  
**Semiconductor Corp.**

**DESCRIPTION:**

The CENTRAL SEMICONDUCTOR CMDSH2-3 type is a Silicon Schottky Diode, manufactured in a super-mini surface mount package, designed for fast switching applications requiring a low forward voltage drop.

**Marking Code is S2.**

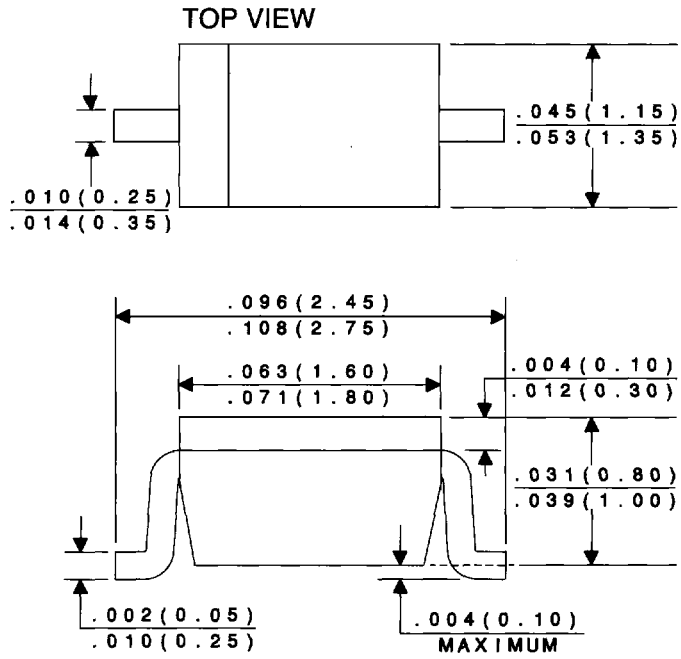
**MAXIMUM RATINGS: (T<sub>A</sub>=25°C)**

	<b>SYMBOL</b>		<b>UNITS</b>
Peak Repetitive Reverse Voltage	V <sub>RRM</sub>	30	V
Average Forward Current	I <sub>O</sub>	200	mA
Forward Surge Current, tp=10 ms	I <sub>FSM</sub>	1.0	A
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)**

<b>SYMBOL</b>	<b>TEST CONDITIONS</b>	<b>MIN</b>	<b>TYP</b>	<b>MAX</b>	<b>UNIT</b>
B <sub>V</sub> R	I <sub>F</sub> =100μA	30			V
V <sub>F</sub>	I <sub>F</sub> =2.0mA		0.26		V
V <sub>F</sub>	I <sub>F</sub> =15mA		0.32		V
V <sub>F</sub>	I <sub>F</sub> =100mA		0.42		V
V <sub>F</sub>	I <sub>F</sub> =200mA		0.49	0.55	V
I <sub>R</sub>	V <sub>R</sub> =30V		0.40	50	μA
C <sub>T</sub>	V <sub>R</sub> =10V, f=1.0 MHz		15		pF

All dimensions in inches (mm).



DATA SHEET

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