

**CMDSH2-3**

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

**SUPERTM
mini**

**SOD-323 CASE**

CentralTM

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

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	30	V
Average Forward Current	I_O	200	mA
Forward Surge Current, $t_p=10$ ms	I_{FSM}	1.0	A
Power Dissipation	P_D	250	mW
Operating and Storage			
Junction Temperature	T_J, T_{stg}	-65 to +150	$^{\circ}\text{C}$
Thermal Resistance	Θ_{JA}	500	$^{\circ}\text{C/W}$

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

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
B_{VR}	$I_F=100\mu\text{A}$	30			V
V_F	$I_F=2.0\text{mA}$		0.26		V
V_F	$I_F=15\text{mA}$		0.32		V
V_F	$I_F=100\text{mA}$		0.42		V
V_F	$I_F=200\text{mA}$		0.49	0.55	V
I_R	$V_R=30\text{V}$		0.40	50	μA
C_T	$V_R=10\text{V}, f=1.0\text{ MHz}$		15		pF

All dimensions in inches (mm).

