CMDSH2-3

SUPER-MINI
SCHOTTKY DIODE
HIGH CURRENT - 200mA

SUPER mini

SOD-323 CASE

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_A=25°C)

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	30	V
Average Forward Current	I_O	200	mA
Forward Surge Current, tp=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	°C
Thermal Resistance	Θ_{JA}	500	°C/W

ELECTRICAL CHARACTERISTICS: (T_A=25°C)

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

All dimensions in inches (mm).