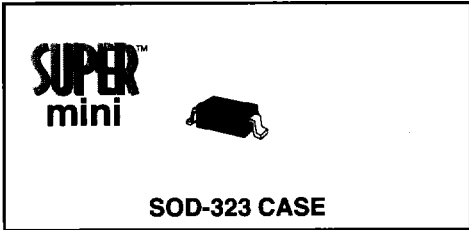


CMDSH-3

**SUPER-MINI
SCHOTTKY DIODE**



CentralTM

Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMDSH-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 S1.

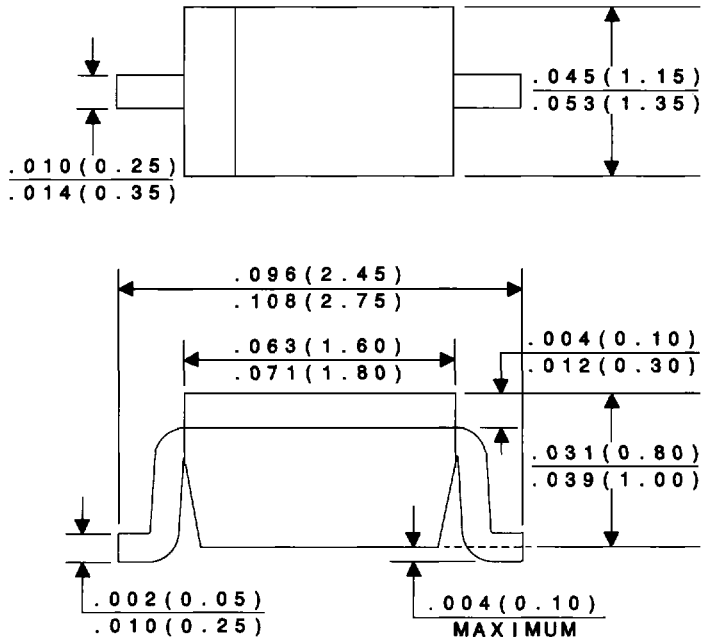
MAXIMUM RATINGS: (T_A=25°C)

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V _R RM	30	V
Average Forward Current	I _O	100	mA
Forward Surge Current, tp=10 ms	I _F SM	750	mA
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	UNITS
B _V R	I _F =100μA	30			V
V _F	I _F =2.0mA		0.30		V
V _F	I _F =15mA		0.36		V
V _F	I _F =50mA		0.47	0.55	V
V _F	I _F =100mA		0.58	0.80	V
I _R	V _R =25V			1.0	μA
C _T	V _R =10V, f=1.0 MHz		7.0		pF

All dimensions in inches (mm).



DATA SHEET