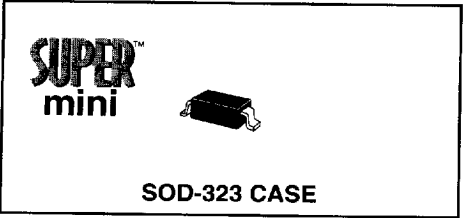


CMDSH-3

**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)

- Peak Repetitive Reverse Voltage
- Average Forward Current
- Forward Surge Current, tp=10 ms
- Power Dissipation
- Operating and Storage
- Junction Temperature
- Thermal Resistance

SYMBOL	UNITS
V _{RRM}	30 V
I _O	100 mA
I _{FSM}	750 mA
P _D	250 mW
T _J , T _{stg}	-65 to +150 °C
Θ _{JA}	500 °C/W

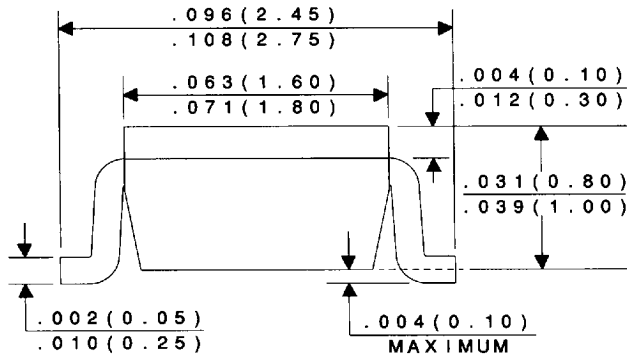
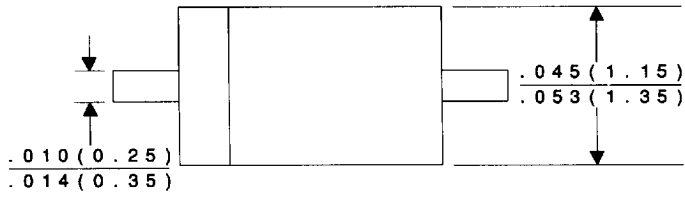
ELECTRICAL CHARACTERISTICS: (T_A=25°C)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
B _{VR}	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).

TOP VIEW



DATA SHEET

R2