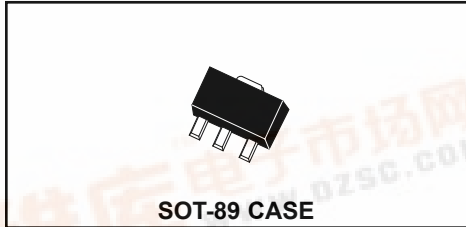


CXSH-4
SURFACE MOUNT
SCHOTTKY BARRIER RECTIFIER



CentralTM

Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CXSH-4 type is a Schottky barrier rectifier mounted in an epoxy molded case using a metal to silicon junction to yield low forward voltage drop. This device utilizes a single chip with anode connections made to PIN 1 and PIN 3.

MAXIMUM RATINGS (T_A=25°C)

Peak Repetitive Reverse Voltage
 DC Blocking Voltage
 RMS Reverse Voltage
 Average Forward Current
 Peak Forward Surge Current (8.3ms, Non-Rep.)
 Operating and Storage
 Junction Temperature

SYMBOL

UNITS

V _{RRM}	40	V
V _R	40	V
V _{R(RMS)}	28	V
I _O	1.0	A
I _{FSM}	10	A
T _J , T _{stg}	-65 to +150	°C

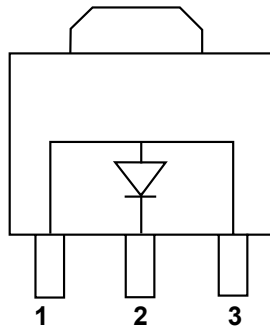
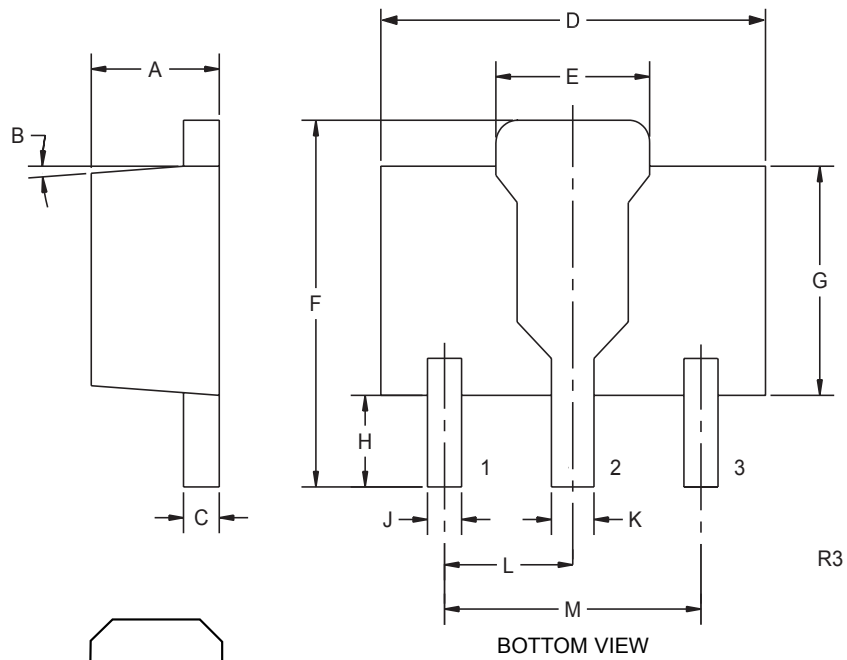
ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
I _R	V _R =40V		1.0	mA
I _R	V _R =40V, T _A =100°C		10	mA
V _F	I _F =1.0A		0.55	V



**SURFACE MOUNT
SCHOTTKY BARRIER RECTIFIER**

SOT-89 CASE - MECHANICAL OUTLINE



LEAD CODE:

- 1) ANODE
- 2) CATHODE
- 3) ANODE

SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.055	0.067	1.40	1.70
B	4°		4°	
C	0.016	0.018	0.40	0.46
D	0.173	0.185	4.40	4.70
E	0.070	0.074	1.79	1.87
F	0.146	0.177	3.70	4.50
G	0.094	0.106	2.40	2.70
H	0.028	0.051	0.70	1.30
J	0.015	0.019	0.38	0.48
K	0.019	0.023	0.48	0.58
L	0.059		1.50	
M	0.118		3.00	

SOT-89 (REV: R3)

PIN 2 IS COMMON TO THE TAB

R3 (19-December 2001)