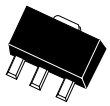
CXSH-4

SURFACE MOUNT
SCHOTTKY BARRIER RECTIFIER



SOT-89 CASE

Central™
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)

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	40	V
DC Blocking Voltage	V_R	40	V
RMS Reverse Voltage	$V_{R(RMS)}$	28	V
Average Forward Current	I_O	1.0	A
Peak Forward Surge Current (8.3ms, Non-Rep.)	I_{FSM}	10	A
Operating and Storage Junction Temperature	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

R3 (19-December 2001)

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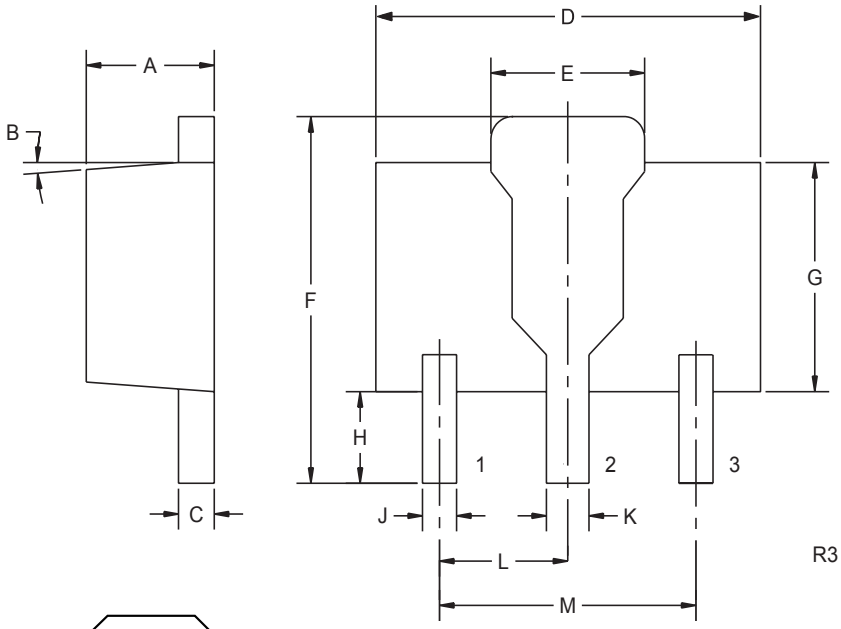
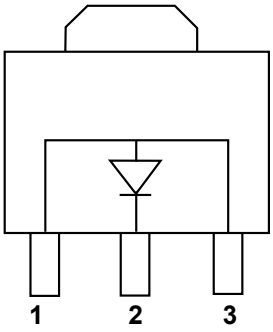
SOT-89 CASE - MECHANICAL OUTLINE



BOTTOM VIEW



DIMENSIONS				
	INCHES		MILLIMETERS	
SYMBOL	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)

LEAD CODE:
1) ANODE
2) CATHODE
3) ANODE

PIN 2 IS COMMON TO THE TAB

R3 (19-December 2001)