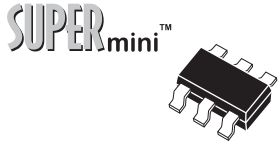


CMXSH2-4LS
SUPERmini™
DUAL PAIR, IN-SERIES
SURFACE MOUNT
LOW V_F SCHOTTKY DIODES



SOT-26 CASE

Central™
Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMXSH2-4LS consists of Dual, In-Series pairs of Low V_F Schottky Diodes, manufactured in a SUPERmini™ SOT-26 surface mount package. This device can be configured as a bridge rectifier using the optional mounting pad configuration on the following page.

MARKING CODE: CXS4L

MAXIMUM RATINGS (T_A=25°C unless otherwise noted)

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V _{RRM}	40	V
Continuous Forward Current	I _F	200	mA
Peak Repetitive Forward Current	I _{FRM}	350	mA
Forward Surge Current, tp=10ms	I _{FSM}	1.0	A
Power Dissipation	P _D	350	mW
Operating and Storage Junction Temperature	T _J , T _{stg}	-65 to +150	°C
Thermal Resistance	θ _{JA}	357	°C/W

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

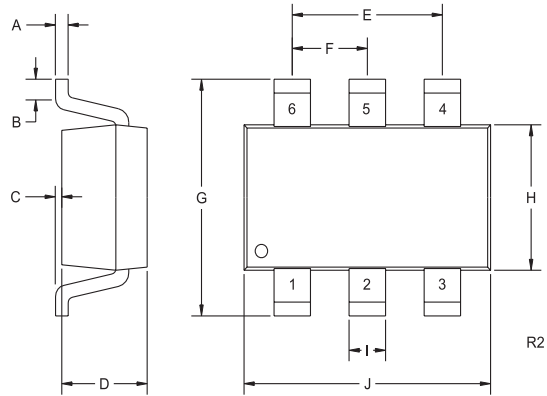
SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
I _R	V _R =20V		11	50	μA
BV _R	I _R =100μA	40	53		V
V _F	I _F =10mA		0.24	0.325	V
V _F	I _F =100mA		0.35	0.4	V
V _F	I _F =200mA		0.42	0.5	V
C _T	V _R =4.0V, f=1 MHz		8.5	10	pF
t _{rr}	I _F =I _R =30mA, Rec. To 3.0mA, R _L =100Ω		4.0	5.0	ns

R1 (17-June 2005)

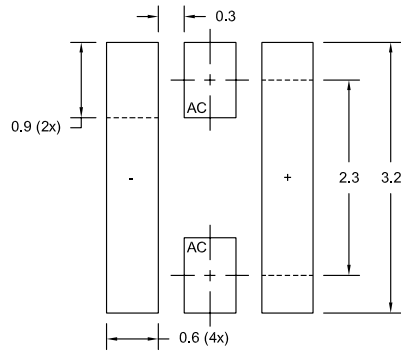
SOT-26 CASE - MECHANICAL OUTLINE

SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.004	0.007	0.11	0.19
B	0.016	-	0.40	-
C	-	0.004	-	0.10
D	0.039	0.047	1.00	1.20
E	0.074	0.075	1.88	1.92
F	0.037	0.038	0.93	0.97
G	0.102	0.118	2.60	3.00
H	0.059	0.067	1.50	1.70
I	-	0.016	-	0.41
J	0.110	0.118	2.80	3.00

SOT-26 (REV: R2)



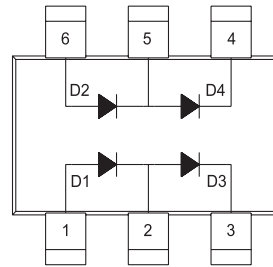
OPTIONAL MOUNTING PAD LAYOUT
(Dimensions in mm)



For Bridge Rectifier Application

MARKING CODE: CXS4L

PIN CONFIGURATION



LEAD CODE

- 1) ANODE D1
- 2) CATHODE D1, ANODE D3
- 3) CATHODE D3
- 4) CATHODE D4
- 5) ANODE D4, CATHODE D2
- 6) ANODE D2