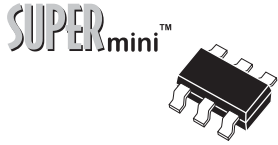


CMXSH2-4LS

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 ($T_A=25^\circ\text{C}$ 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, $t_p=10\text{ms}$	I_{FSM}	1.0	A
Power Dissipation	P_D	350	mW
Operating and Storage			
Junction Temperature	T_J, T_{stg}	-65 to +150	$^\circ\text{C}$
Thermal Resistance	Θ_{JA}	357	$^\circ\text{C/W}$

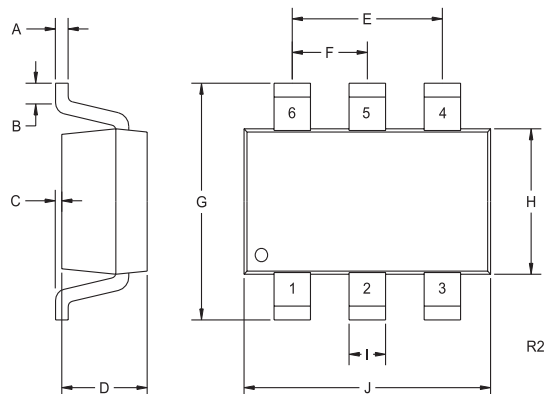
ELECTRICAL CHARACTERISTICS PER DIODE ($T_A=25^\circ\text{C}$ unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
I_R	$V_R=20\text{V}$		11	50	μA
BV_R	$I_R=100\mu\text{A}$	40	53		V
V_F	$I_F=10\text{mA}$		0.24	0.325	V
V_F	$I_F=100\text{mA}$		0.35	0.4	V
V_F	$I_F=200\text{mA}$		0.42	0.5	V
C_T	$V_R=4.0\text{V}$, $f=1\text{ MHz}$		8.5	10	pF
t_{rr}	$I_F=I_R=30\text{mA}$, Rec. To 3.0mA , $R_L=100\Omega$		4.0	5.0	ns

SOT-26 CASE - MECHANICAL OUTLINE

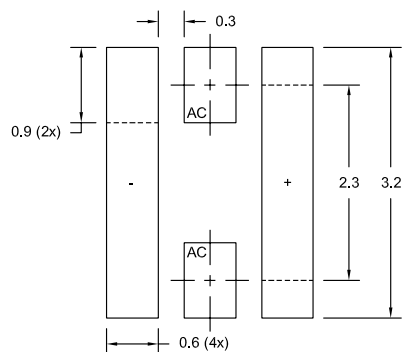
SYMBOL	DIMENSIONS			
	MIN	MAX	MIN	MAX
A	0.004	0.007	0.11	0.19
B	0.016	-	0.40	-
C	-	0.004	-	0.10
D	0.039	0.047	1.00	1.20
E	0.074	0.075	1.88	1.92
F	0.037	0.038	0.93	0.97
G	0.102	0.118	2.60	3.00
H	0.059	0.067	1.50	1.70
I	-	0.016	-	0.41
J	0.110	0.118	2.80	3.00

SOT-26 (REV: R2)



OPTIONAL MOUNTING PAD LAYOUT

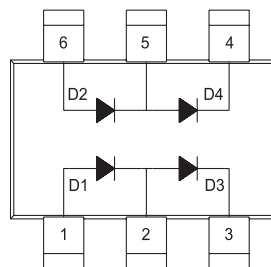
(Dimensions in mm)



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