

CMXSH2-4LC

SURFACE MOUNT
DUAL PAIR, COMMON CATHODE
LOW V_F
SILICON SCHOTTKY DIODES



• Device is **Halogen Free** by design



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DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMXSH2-4LC consists of Dual, Common Cathode pairs of Low V_F Silicon Schottky Diodes, and is manufactured in a SUPERmini™ SOT-26 surface mount package.

MARKING CODE: CXC4L

MAXIMUM RATINGS: ($T_A=25^\circ\text{C}$)

Peak Repetitive Reverse Voltage
Continuous Forward Current
Peak Repetitive Forward Current
Peak Forward Surge Current, $t_p=10\text{ms}$
Power Dissipation
Operating and Storage Junction Temperature
Thermal Resistance

SYMBOL

V_{RRM} 40
 I_F 200
 I_{FRM} 350
 I_{FSM} 1.0
 P_D 350
 T_J, T_{stg} -65 to +150
 θ_{JA} 357

UNITS

V
mA
mA
A
mW
 $^\circ\text{C}$
 $^\circ\text{C/W}$

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

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	$V_R=4.0\text{V}$, $f=1.0\text{MHz}$		8.5	10	pF
t_{rr}	$I_F=I_R=30\text{mA}$, $I_{rr}=3.0\text{mA}$, $R_L=100\Omega$		4.0	5.0	ns

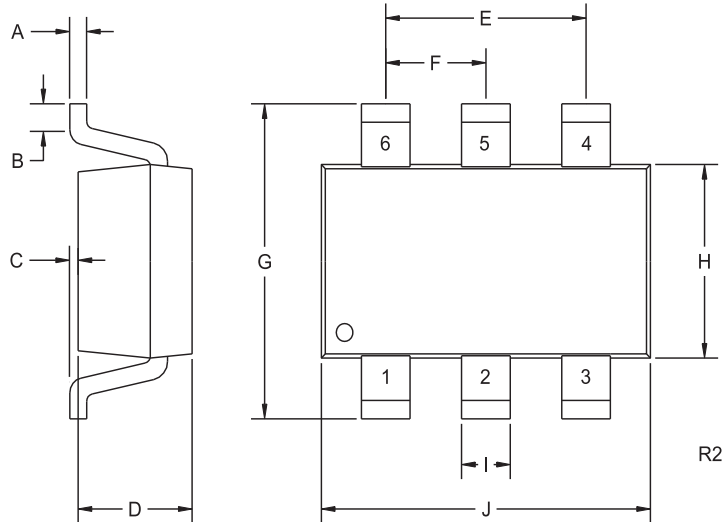
R1 (12-February 2010)

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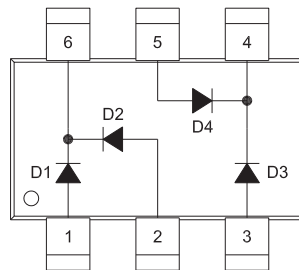
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SOT-26 CASE - MECHANICAL OUTLINE



PIN CONFIGURATION



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)

LEAD CODE:

- 1) Anode D1
- 2) Anode D2
- 3) Anode D3
- 4) Cathode D3, D4
- 5) Anode D4
- 6) Cathode D1, D2

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