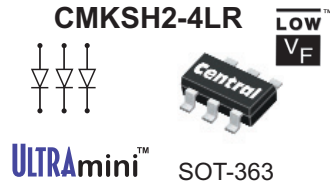
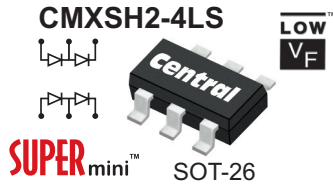


Dual Pair and Triple Low V_F Schottky Diodes



features

- Dual Pair and Triple Configurations
- $V_F = 0.35V$ (Typ.) @ 100mA
- SOT-363 package profile under 1.0mm



description

Dual Pair - CMXSH2-4LS

The Central Semiconductor CMXSH2-4LS consists of two(2) pair of Low V_F silicon Schottky diodes configured in series. This device is packaged in a SUPERmini™ SOT-26 surface mount case. The CMXSH2-4LS can be utilized as a bridge rectifier by use of an optional mounting pad geometry. (see backside)

Triple - CMKSH2-4LR

The Central Semiconductor CMKSH2-4LR contains three (3) isolated Low V_F silicon Schottky diodes, packaged in an ULTRAmulti™ SOT-363 surface mount case. In addition, this device has a reverse pinout configuration compared to a standard triple diode device.

These medium current energy efficient devices are ideal for switching applications requiring a low forward voltage drop.

Sample devices
available
upon request.



selection guide



Dual Pair, In-Series Low V_F Schottky Diodes CMXSH2-4LS

Type No.	Configuration	V_{RRM} (V) MAX	I_F (mA) MAX	V_F		I_F (mA)	t_{rr} †TYP (ns) MAX	C_T †TYP (pF) MAX	Case Size
				(V) TYP.	(V) MAX.				
NEW CMXSH2-4LS		40	200	0.24	0.325	10	4.0† 5.0	8.5† 10.0	
				0.35	0.400	100			
				0.42	0.500	200			

Triple, Isolated Low V_F Schottky Diodes CMKSH2-4LR

NEW CMKSH2-4LR		40	200	0.24	0.325	10	4.0† 5.0	8.5† 10.0	
				0.35	0.400	100			
				0.42	0.500	200			

Other Medium Current Low V_F Schottky Diodes from Central™

CMDSH2-4L		40	200	0.24 0.35 0.42	0.325 0.400 0.500	10 100 200	4.0† 5.0	8.5† 10.0	
CMOSH2-4L		40	200	0.24 0.35 0.42	0.325 0.400 0.500	10 100 200	4.0† 5.0	8.5† 10.0	
CMUSH2-4L		40	200	0.24 0.35 0.42	0.325 0.400 0.500	10 100 200	4.0† 5.0	8.5† 10.0	

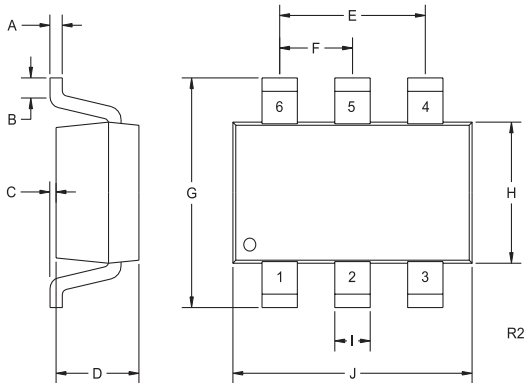
Other Triple, Isolated Schottky Diodes from Central™

CMKD6263		70	15	0.395	0.41	1.0	5.0	2.0	
CMKSH-3T		30	100	0.400	0.45	15	5.0	7.0†	
CMXSH-3		30	100	0.400	0.45	15	5.0	7.0†	

Dual Pair and Triple Low V_F Schottky Diodes

Mechanical Specifications - SOT-26

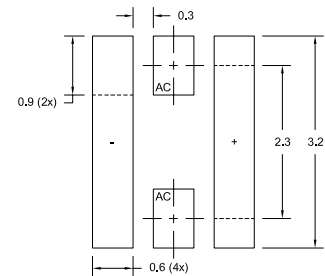
CMXSH2-4LS



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

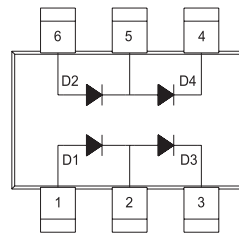
SOT-26 (REV: R2)

OPTIONAL MOUNTING PAD LAYOUT (Dimensions in mm)



For Bridge Rectifier Application

Pinout Drawing



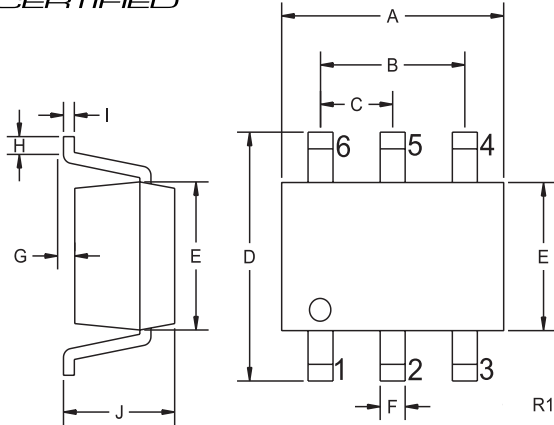
Lead Code:

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

Marking Code: CXS4L

Mechanical Specifications - SOT-363

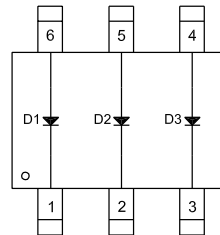
CMKSH2-4LR



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.073	0.085	1.85	2.15
B	0.051	-	1.30	-
C	0.026	-	0.65	-
D	0.075	0.091	1.90	2.30
E	0.043	0.055	1.10	1.40
F	0.006	0.012	0.15	0.30
G	0.000	0.004	0.00	0.10
H	0.010	-	0.25	-
I	0.004	0.010	0.10	0.25
J	0.031	0.039	0.80	1.00

SOT-363 (REV: R1)

Pinout Drawing



Lead Code:

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

Marking Code: CHTL

CentralTM
Semiconductor Corp.

Innovations in Discrete Semiconductors

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PA CMKSH2-4LR