

CMKSH2-4LR

**SURFACE MOUNT  
TRIPLE ISOLATED SILICON  
LOW  $V_F$  SCHOTTKY DIODES**



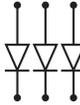
[www.centrasemi.com](http://www.centrasemi.com)

**DESCRIPTION:**

The CENTRAL SEMICONDUCTOR CMKSH2-4LR contains three (3) Isolated Silicon Low  $V_F$  Schottky Diodes, epoxy molded in a SOT-363 surface mount package. This ULTRAmimi™ device has been designed for switching applications requiring a low forward voltage drop.

**MARKING CODE: CHTL**

ULTRAmimi™



**SOT-363 CASE**

**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
$\Theta_{JA}$	357

**UNITS**

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

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

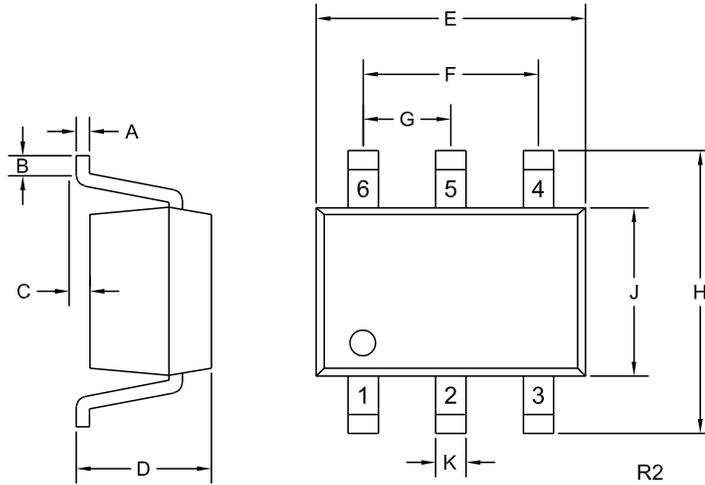
SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
$I_R$	$V_R=20\text{V}$		11	50	$\mu\text{A}$
$BV_R$	$I_R=100\mu\text{A}$	40	53		V
$V_F$	$I_F=10\text{mA}$		0.24	0.325	V
$V_F$	$I_F=100\text{mA}$		0.35	0.40	V
$V_F$	$I_F=200\text{mA}$		0.42	0.50	V
$C_T$	$V_R=4.0\text{V}, f=1.0\text{MHz}$		8.5	10	pF
$t_{rr}$	$I_F=I_R=10\text{mA}, I_{rr}=1.0\text{mA}, R_L=100\Omega$		4.0	5.0	ns

R3 (13-August 2010)

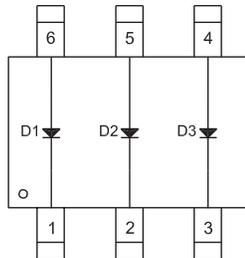
**CMKSH2-4LR**  
**SURFACE MOUNT**  
**TRIPLE ISOLATED SILICON**  
**LOW  $V_F$  SCHOTTKY DIODES**



**SOT-363 CASE - MECHANICAL OUTLINE**



**PIN CONFIGURATION**



**LEAD CODE:**

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

**MARKING CODE: CHTL**

SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.004	0.010	0.10	0.25
B	0.005	-	0.12	-
C	0.000	0.004	0.00	0.10
D	0.031	0.043	0.80	1.10
E	0.071	0.087	1.80	2.20
F	0.051		1.30	
G	0.026		0.65	
H	0.075	0.091	1.90	2.30
J	0.043	0.055	1.10	1.40
K	0.006	0.012	0.15	0.30

SOT-363 (REV: R2)

R3 (13-August 2010)