



CMKSH-3T
SURFACE MOUNT ULTRAmi™
TRIPLE ISOLATED SILICON
SCHOTTKY DIODES



Central™
Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMKSH-3T contains three (3) Isolated Silicon Schottky Diodes, epoxy molded in a SOT-363 surface mount package. This ULTRAmi™ device has been designed for switching applications requiring a low forward voltage drop.

MARKING CODE: KHT

MAXIMUM RATINGS: (T_A=25°C)

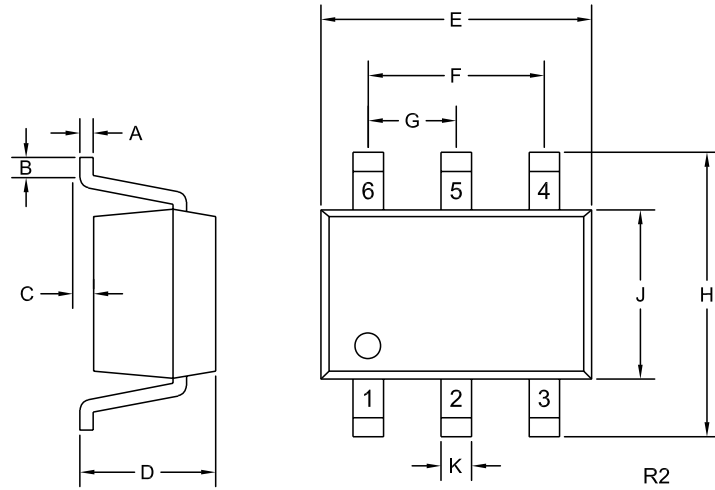
Peak Repetitive Reverse Voltage
Continuous Forward Current
Peak Repetitive Forward Current
Forward Surge Current, tp=10ms
Power Dissipation
Operating and Storage Junction Temperature
Thermal Resistance

SYMBOL		UNITS
V _{RRM}	30	V
I _F	100	mA
I _{FRM}	350	mA
I _{FSM}	750	mA
P _D	350	mW
T _J , T _{stg}	-65 to +150	°C
θ _{JA}	357	°C/W

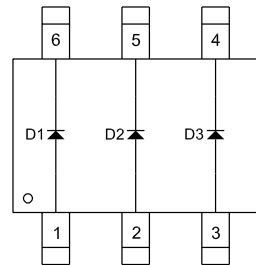
ELECTRICAL CHARACTERISTICS PER DIODE: (T_A=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I _R	V _R =25V		90	500	nA
I _R	V _R =25V (T _A =100°C)		25	100	µA
BV _R	I _R =100µA	30			V
V _F	I _F =2.0mA		0.29	0.33	V
V _F	I _F =15mA		0.40	0.45	V
V _F	I _F =100mA		0.74	1.00	V
C _T	V _R =1.0V, f=1.0MHz		7.0		pF
t _{rr}	I _F =I _R =10mA, I _{rr} =1.0mA, R _L =100Ω			5.0	ns

SOT-363 CASE - MECHANICAL OUTLINE



PIN CONFIGURATION



LEAD CODE:

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

MARKING CODE: KHT

SYMBOL	DIMENSIONS		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)