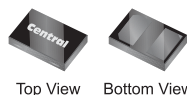


CFSH2-3L

**SURFACE MOUNT
SILICON SCHOTTKY DIODE**

TLP™
Tiny
Leadless
Package



SOD-882L CASE



www.centrasemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CFSH2-3L is a high quality Schottky Diode designed for applications where ultra small size and operational efficiency are prime requirements. Packaged in a Tiny Leadless Package™ (TLP™), this component provides performance characteristics suitable for the most demanding size constrained applications.

MARKING CODE: T

APPLICATIONS:

- DC - DC Converters
- Voltage Clamping
- Protection Circuits
- Battery powered devices including Cell Phones, Digital Cameras, Pagers, PDAs, Laptop Computers, etc.

MAXIMUM RATINGS: (T_A=25°C)

Peak Repetitive Reverse Voltage
Average Forward Current
Peak Forward Surge Current, t_p=8.3ms
Power Dissipation
Operating and Storage Junction Temperature
Thermal Resistance

FEATURES:

- V_R=30V
- I_O=200mA
- Very Low Forward Voltage Drop (V_F=0.42V TYP @ 200mA)
- Reverse Current (4.0μA TYP @ 10V)
- Small TLP™, 1mm x 0.6mm x 0.4mm, ultra low profile, Leadless Surface Mount package.

SYMBOL		UNITS
V _{RRM}	30	V
I _O	200	mA
I _{FSM}	3.0	A
P _D	100	mW
T _J , T _{stg}	-65 to +150	°C
Θ _{JA}	1,250	°C/W

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

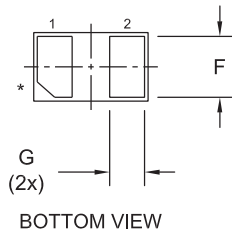
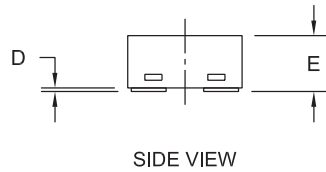
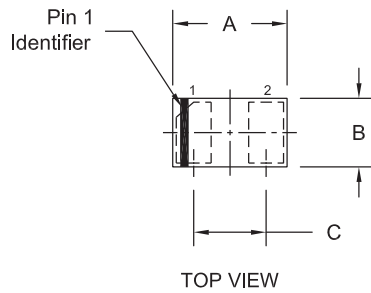
SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I _R	V _R =10V		4.0	10	μA
I _R	V _R =30V		10	50	μA
BV _R	I _R =500μA	30			V
V _F	I _F =0.1mA		0.115	0.19	V
V _F	I _F =1.0mA		0.175	0.25	V
V _F	I _F =10mA		0.24	0.30	V
V _F	I _F =100mA		0.35	0.40	V
V _F	I _F =200mA		0.42	0.48	V
C _T	V _R =4.0V, f=1.0MHz		11	25	pF

R5 (26-April 2011)

CFSH2-3L
SURFACE MOUNT
SILICON SCHOTTKY DIODE



SOD-882L CASE - MECHANICAL OUTLINE



* Pin 1 chamfer may appear on any corner.

SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.037	0.041	0.95	1.05
B	0.022	0.026	0.55	0.65
C	0.026		0.65	
D	0.000	0.002	0.00	0.05
E	0.012	0.016	0.30	0.40
F	0.018	0.022	0.45	0.55
G	0.008	0.012	0.20	0.30

SOD-882L (REV:R2)

LEAD CODE:

- 1) Cathode
- 2) Anode

MARKING CODE: T

R5 (26-April 2011)