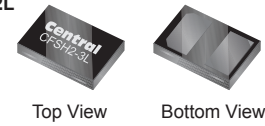


CFSH2-3L 30V, 200mA Schottky Diodes in the ultra miniature SOD-882L package

SOD-882L



The Central Semiconductor CFSH2-3L is a 30V, 200mA low V_F Schottky diode in the space saving, low profile SOD-882L surface mount package. This device is ideal for portable handheld designs where ultra small size, low profile, and exceptional operational efficiency are prime requirements.

Features:

- Very low forward voltage drop ($V_F=0.24V @ 10mA$)
- Reverse current ($4.0\mu A @ 10V$)

Applications:

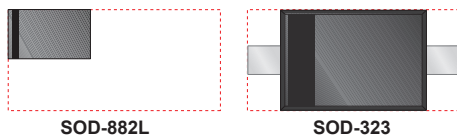
- DC-DC conversion
- Voltage clamping
- Circuit protection
- Battery power management

Benefits:

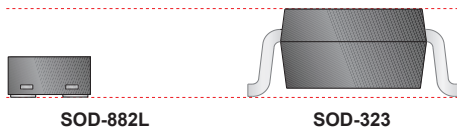
- Energy efficiency
- Space saving low profile package

Package Size and Comparison:

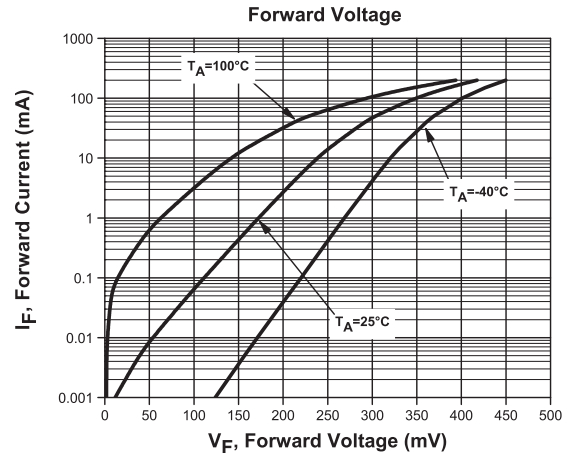
The SOD-882L utilizes **81%** less board space than the SOD-323



The SOD-882L has a **60%** lower profile than the SOD-323



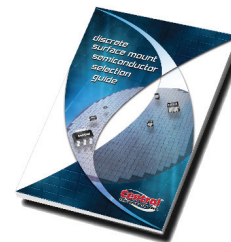
Typical Electrical Characteristics



Samples and Literature



To order samples of this device visit:
www.centrasemi.com/info/CFSH2-3L



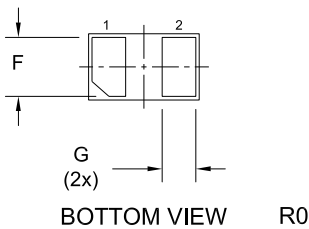
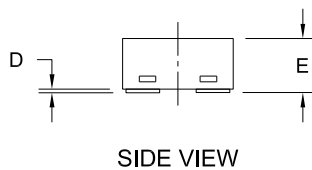
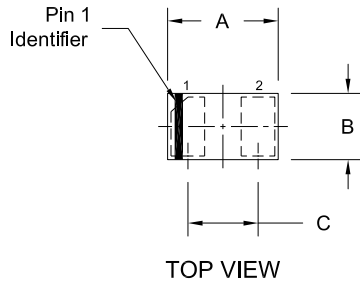
Order the new SMD selection guide today.
Visit: web.centrasemi.com/search/sample.php

Electrical Characteristics ($T_A=25^\circ C$)							Thermal Characteristics				
V_{RRM}	I_O	V_F		@ I_F	I_R		@ V_R	C_T	P_D	T_J, T_{stg}	Θ_{JA}
(V) MAX	(mA) MAX	(V) TYP	(V) MAX	(mA)	(μA) TYP	(μA) MAX	(V)	(pF) MAX	(mW)	($^\circ C$) MAX	($^\circ C/W$) MAX
30	200	0.115	0.19	0.1	4.0	10	10	25	100	-65 to +150	1,250
		0.175	0.25	1.0							
		0.24	0.30	10							
		0.35	0.40	100							
		0.42	0.48	200							

CFSH2-3L

30V, 200mA Schottky Diodes in the ultra miniature SOD-882L package

Mechanical Drawing - SOD-882L



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

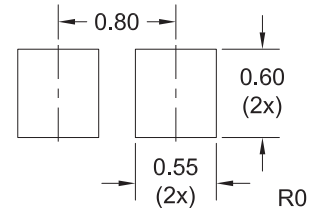
SOD-882L (REV:R0)

Lead Code:

- 1) Cathode
- 2) Anode

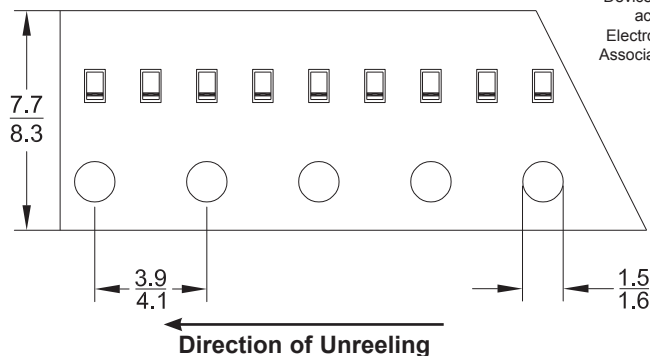
Marking Code: T

Mounting Pad Geometry (Dimensions in mm)



Tape Dimensions and Orientation (Dimensions in mm)

Tape Width: 8mm



* Devices are taped in accordance with Electronic Industries Association Standard EIA-481-1-A

Packaging Base

7" Reel = 8,000 pcs.

Reel Packing Information

Reel Size	Reels per Box (Maximum)	Parts per Box (Maximum)	Box Dimensions		Shipping Weight (Max.)	
			INCH	CM	LB	KG
7"	9	72,000	9x9x5	23x23x13	3	2
	18	144,000	9x9x9	23x23x23	6	3
	40	320,000	21x9x9	53x23x23	13	6
	108	864,000	27x9x17	69x23x43	34	16

Sample devices available upon request. To order samples of this device visit: www.centralsemi.com/info/CFSH2-3L



Innovative Discrete Semiconductors

For further information contact:
Sales at Central Semiconductor Corp.
(631) 435-1110 or visit:
www.centralsemi.com