

CMIDSH1-3

1.0A, 30V Low V_F Schottky Rectifier in the SOD-323FL package



Central Semiconductor's CMIDSH1-3 is a silicon Schottky rectifier packaged in a space saving, low profile SOD-323FL case. This device has been designed for portable battery powered applications that require low total conduction losses and energy efficiency. The SOD-323FL package offers a significantly lower profile compared to the standard SOD-323.

Features:

- High surge capability
- Low reverse leakage current
- Low forward voltage

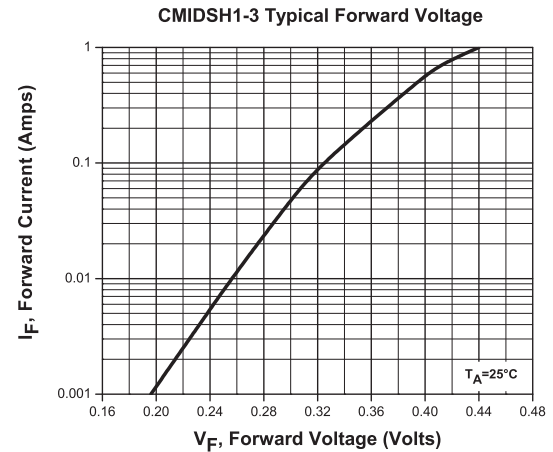
Applications:

- DC-DC converters
- Voltage clamping
- Reverse polarity protection
- General purpose rectification

Benefits:

- Low package profile
- Space savings
- Energy efficiency

Typical Electrical Characteristic



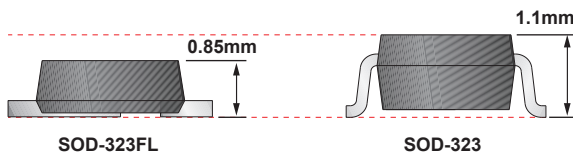
Samples



To request samples visit:
www.centrasemi.com/info/CMIDSH1-3

Package Profile Comparison:

The SOD-323FL has a **23%** lower profile than the SOD-323



Weblink:

Use QR reader for direct link to product web page,
 or use: www.centrasemi.com/info/CMIDSH1-3

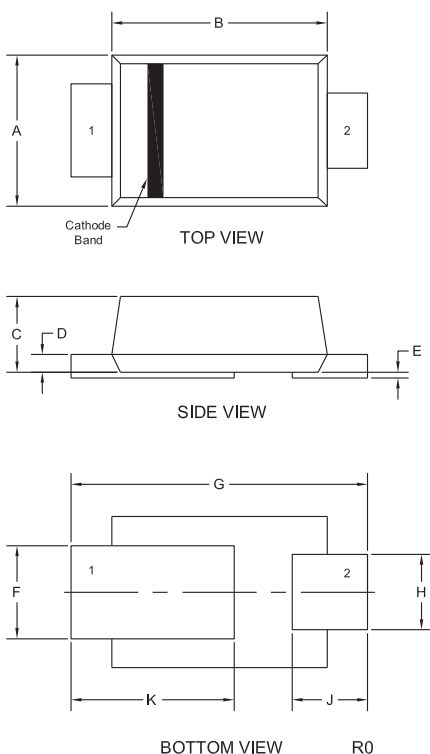


Maximum Ratings ($T_A = 25^\circ\text{C}$ unless otherwise noted)				Electrical Characteristics ($T_A = 25^\circ\text{C}$ unless otherwise noted)					
V_{RRM} (V) MAX	I_O $T_L = 110^\circ\text{C}$ (A) MAX	T_J, T_{stg} ($^\circ\text{C}$) MAX	I_{FSM} (A) MAX	V_F		$@ I_F$	I_R		$@ V_R$
				(V) TYP	(V) MAX	(A)	(μA) TYP	(μA) MAX	(V)
30	1.0	-65 to +150	22	0.41 0.44	0.45 0.52	0.7 1.0	25	100	30

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Mechanical Drawing - SOD-323FL



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.047	0.055	1.20	1.40
B	0.068	0.077	1.75	1.95
C	0.021	0.030	0.55	0.75
D	0.004	0.008	0.10	0.20
E	-	0.004	-	0.10
F	0.025	0.038	0.65	0.95
G	0.090	0.107	2.30	2.70
H	0.017	0.030	0.45	0.75
J	0.015	0.032	0.40	0.80
K	0.045	0.061	1.15	1.55

SOD-323FL (REV:R0)

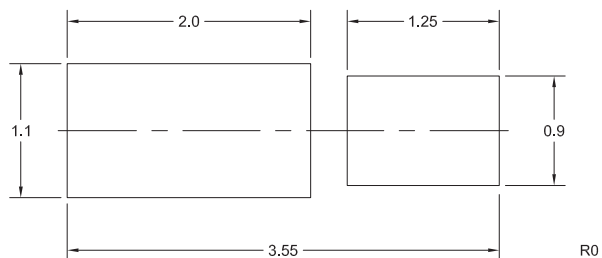
LEAD CODE:

- 1) Cathode
- 2) Anode

MARKING CODE:

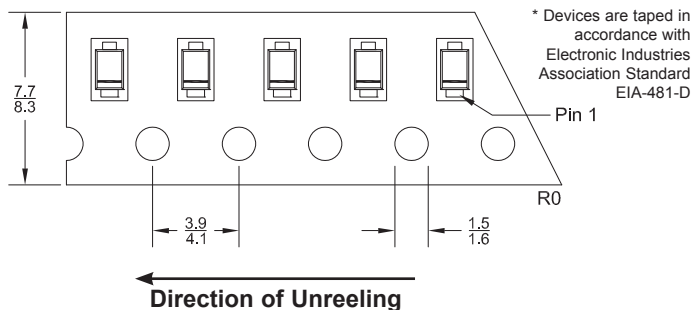
C13

Mounting Pad (Dimensions in mm)



Tape Dimensions and Orientation (Dimensions in mm)

Tape Width: 8mm



Literature



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Packaging Base / Ordering Information

Reel Size	Quantity	Central Item No.
7"	3,000	CMIDSH1-3 TR

Sample devices available upon request. To order samples visit: www.centrasemi.com/info/CMIDSH1-3



**Innovative Discrete
Semiconductors**

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