

## CMSH3-40FL 3.0A, 40V Schottky Rectifier in the SMBFL package



Central Semiconductor's CSMH3-40FL, packaged in the SMBFL case, is an extremely energy efficient Schottky rectifier ideal for portable battery powered applications requiring a significantly lower profile. The SMBFL fits on industry standard SMB mounting pads.

### Features:

- High current capability
- Low leakage current
- Low forward voltage
- High surge capability
- Low package profile

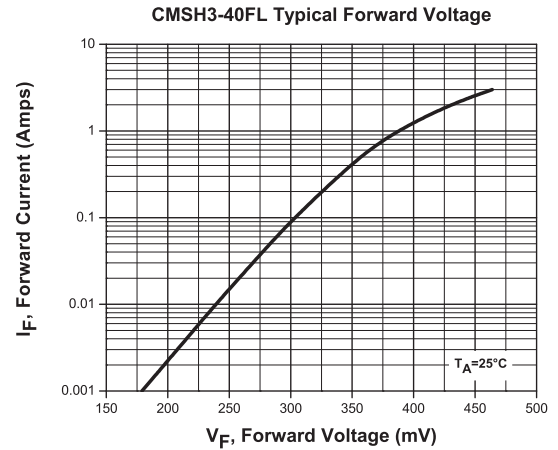
### Applications:

- Reverse polarity protection
- Voltage clamping
- DC-DC output rectification
- Power management

### Benefits:

- Energy efficiency
- Space saving low profile package

### Typical Electrical Characteristic



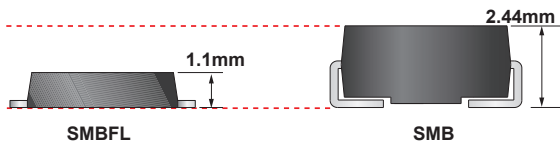
### Samples



To request samples visit:  
[www.centrasemi.com/info/CMSH3-40FL](http://www.centrasemi.com/info/CMSH3-40FL)

### Package Profile Comparison:

The SMBFL has a **58%** lower profile than the SMB



### Weblink:

Use QR reader for direct link to product web page,  
or use: [www.centrasemi.com/info/CMSH3-40FL](http://www.centrasemi.com/info/CMSH3-40FL)

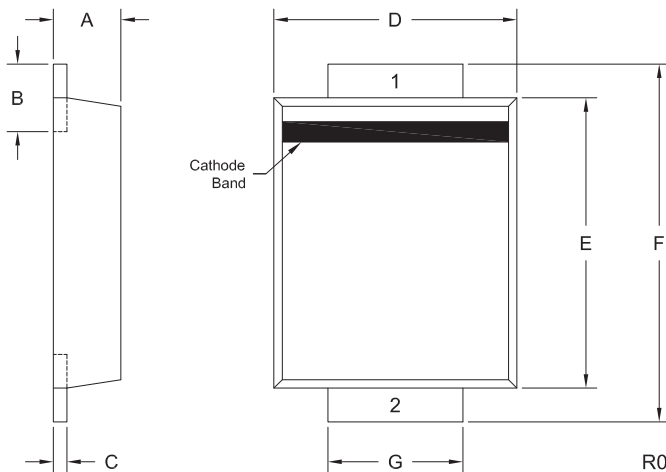


Maximum Ratings ( $T_A = 25^\circ\text{C}$ unless otherwise noted)				Electrical Characteristics ( $T_A = 25^\circ\text{C}$ unless otherwise noted)					
$V_{RRM}$ (V) MAX	$I_O$ $T_L = 125^\circ\text{C}$ (A) MAX	$T_J, T_{stg}$ ( $^\circ\text{C}$ ) MAX	$I_{FSM}$ (A) MAX	$V_F$		$@ I_F$	$I_R$		$@ V_R$
				(V) TYP	(V) MAX	(A)	( $\mu\text{A}$ ) TYP	( $\mu\text{A}$ ) MAX	(V)
40	3.0	-65 to +150	80	0.46	0.50	3.0	15	100	40

# CMSH3-40FL

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## Mechanical Drawing - SMBFL



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.035	0.044	0.90	1.10
B	0.031	0.048	0.80	1.20
C	0.006	0.010	0.15	0.25
D	0.137	0.146	3.50	3.70
E	0.161	0.178	4.10	4.50
F	0.200	0.217	5.10	5.50
G	0.074	0.083	1.90	2.10

SMBFL (REV: R0)

### LEAD CODE:

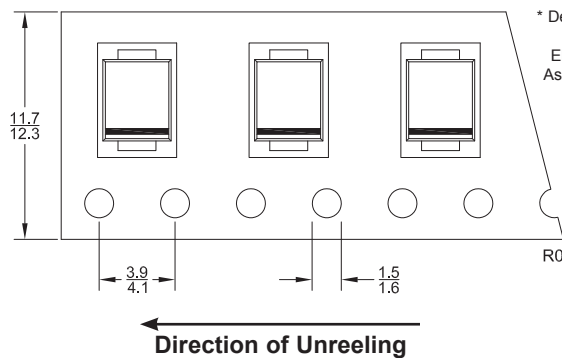
- 1) Cathode
- 2) Anode

### MARKING CODE:

CS340FL

## Tape Dimensions and Orientation (Dimensions in mm)

Tape Width: 12mm



\* Devices are taped in accordance with Electronic Industries Association Standard EIA-481-D

## Packaging Base / Ordering Information

Reel Size	Quantity	Central Item No.
13"	5,000	CMSH3-40FL TR

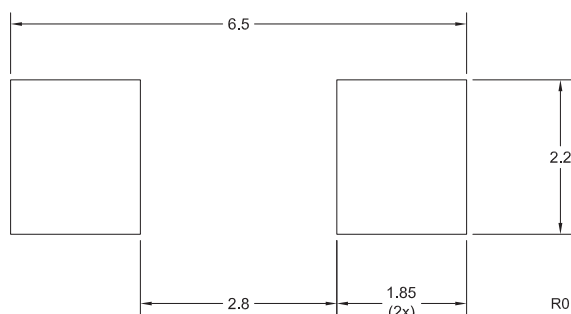
## Literature



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GUIDE

Order your selection guide today.  
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## Mounting Pad (Dimensions in mm)



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Sample devices available upon request. To order samples visit: [www.centrasemi.com/info/CMSH3-40FL](http://www.centrasemi.com/info/CMSH3-40FL)



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