

CBRLDSH1-40

1.0A, 40V Schottky Bridge Rectifier in the LPDIP package



Central Semiconductor's CBRLDSH1-40 is a full-wave Schottky bridge rectifier in a very low profile surface mount package. This device is ideally suited for applications where energy efficiency and package size are critical design parameters.

Features:

- Low leakage current
- Low profile case
- Low forward voltage drop
- Glass passivated silicon die

Applications:

- Solid State Lighting (SSL)
- DC-DC converters
- Polarity protection

Benefits:

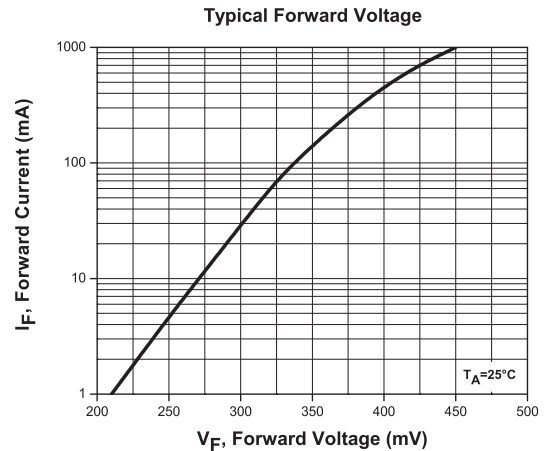
- Low conduction losses
- Energy efficiency
- Small package footprint and height

Package Profile Comparison:

The LPDIP has a **45%** lower profile than the HD DIP



Typical Electrical Characteristics



Samples



To order samples of this device visit:
www.centrasemi.com/info/CBRLDSH1-40

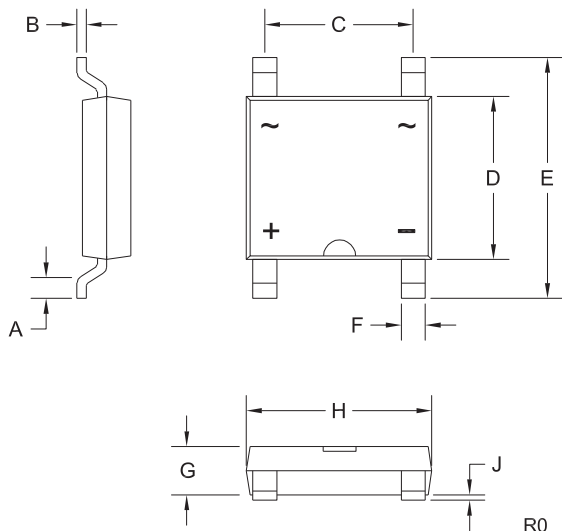
weblink scan

Use QR reader for direct link to product web page.



Maximum Ratings ($T_A = 25^\circ\text{C}$)				Electrical Characteristics ($T_A = 25^\circ\text{C}$ unless otherwise noted)					
V_{RRM}	I_O	T_J, T_{stg}	θ_{JA}	V_F		$@ I_F$	I_R		$@ V_R$
(V) MAX	(A) MAX	($^\circ\text{C}$) MAX	($^\circ\text{C}/\text{W}$) MAX	(V) TYP	(V) MAX	(A)	(μA) TYP	(μA) MAX	(V)
40	1.0	-55 to +150	95	0.45	0.50	1.0	16	100	40

Mechanical Drawing - LPDIP



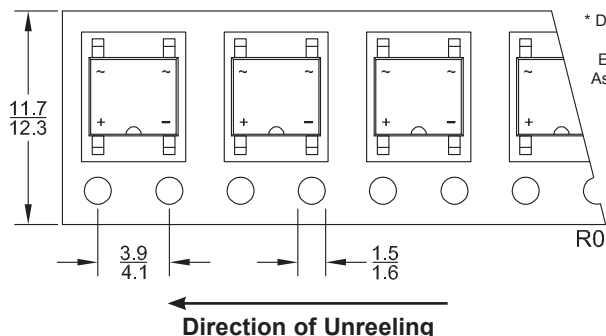
SYMBOL	DIMENSIONS		DIMENSIONS	
	INCHES		MILLIMETERS	
A	0.019	0.028	0.50	0.70
B	0.007	0.012	0.20	0.30
C	0.153	0.162	3.90	4.10
D	0.167	0.179	4.25	4.55
E	0.248	0.264	6.30	6.70
F	0.023	0.028	0.60	0.70
G	0.045	0.058	1.15	1.45
H	0.190	0.203	4.85	5.15
J	0.002	0.006	0.05	0.15

LPDIP (REV: R0)

MARKING CODE: CLP1

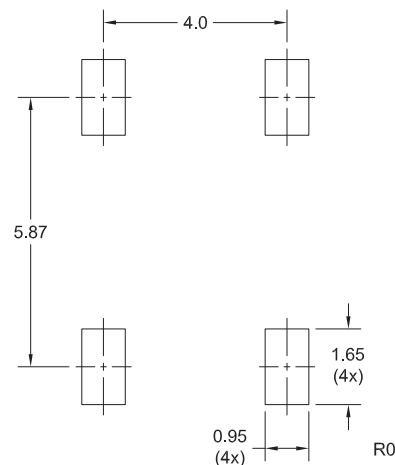
Tape Dimensions and Orientation (Dimensions in mm)

Tape Width: 12mm



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

Mounting Pad Geometry (Dimensions in mm)



Literature



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Packaging Base / Ordering Information

Reel Size	Quantity	Central Item No.
13"	4,000	CBRLDSH1-40 TR13

Sample devices available upon request. To order samples of this device visit: www.centrasemi.com/info/CBRLDSH1-40



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For further information contact:
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(631) 435-1110 or visit:
www.centrasemi.com