

CBRLDSH2-60 CBRLDSH2-100

2.0A, 60V and 100V Bridge Rectifiers in the LPDIP package



Central Semiconductor's CBRLDSH2-60 and CBRLDSH2-100 are full wave Schottky bridge rectifiers packaged in a low profile epoxy molded surface mount case. Utilizing glass passivated chips, these devices exhibit low forward voltage loss, low reverse current leakage, and provides higher reliability.

Features:

- High reverse voltage
- Low leakage current
- Low profile package
- Low V_F Schottky diodes

Applications:

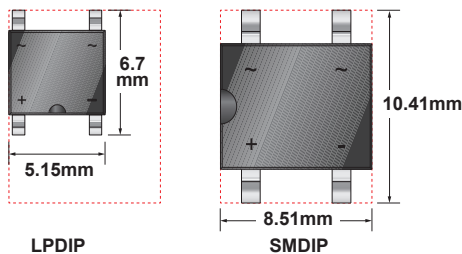
- Solid state lighting (SSL)
- DC-DC converters
- Polarity protection
- Steering diode array

Benefits:

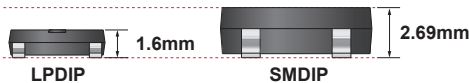
- High efficiency
- High power density
- Space saving package with small footprint and very low profile

Package Profile Comparison:

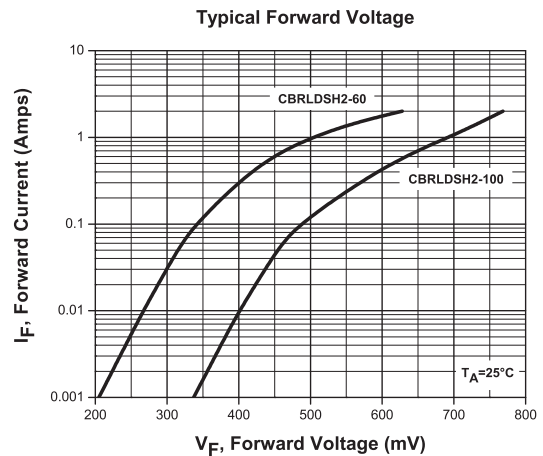
The LPDIP utilizes **61%** less board space than the SMDIP



The LPDIP has a **41%** lower profile than the SMDIP



Typical Electrical Characteristics



Samples



To request samples visit:
www.centrasemi.com/info/CBRLDSH2

Weblink:

Use QR reader for direct link to product web page,
or use: www.centrasemi.com/info/CBRLDSH2

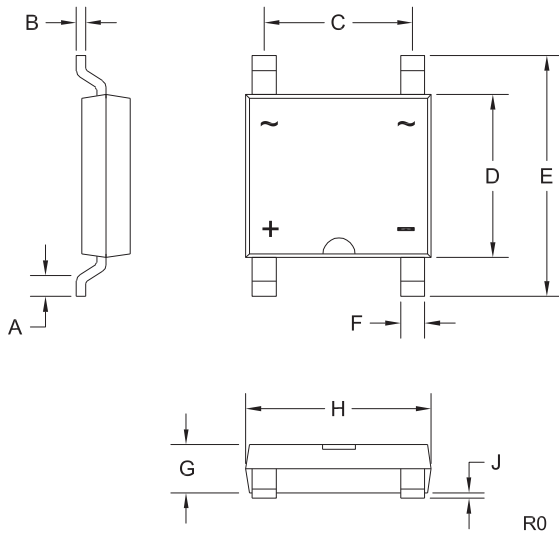


Part Number	Maximum Ratings ($T_A = 25^\circ\text{C}$)					Electrical Characteristics ($T_A = 25^\circ\text{C}$ unless otherwise noted)					
	V_{RRM}	I_O	T_J	T_{stg}	θ_{JA}	V_F		$@ I_F$	I_R		$@ V_{RRM}$
	(V) MAX	(A) MAX $T_L = 50^\circ\text{C}$	($^\circ\text{C}$) MAX	($^\circ\text{C}$) MAX	($^\circ\text{C}/\text{W}$) MAX	(mV) TYP	(mV) MAX	(A)	(μA) TYP	(μA) MAX	(V)
CBRLDSH2-60	60	2.0	-55 to +125	-55 to +150	95	630	700	2.0	7.0	500	60
CBRLDSH2-100	100	2.0	-55 to +125	-55 to +150	95	770	840	2.0	0.25	4.0	100

CBRLDSH2-60 CBRLDSH2-100

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Mechanical Drawing - LPDIP



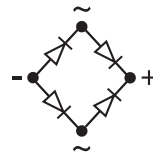
SYMBOL	DIMENSIONS		DIMENSIONS	
	INCHES		MILLIMETERS	
A	0.019	0.028	0.50	0.70
B	0.007	0.012	0.20	0.30
C	0.153	0.162	3.90	4.10
D	0.167	0.179	4.25	4.55
E	0.248	0.264	6.30	6.70
F	0.023	0.028	0.60	0.70
G	0.045	0.058	1.15	1.45
H	0.190	0.203	4.85	5.15
J	0.002	0.006	0.05	0.15

LPDIP (REV: R0)

MARKING CODES

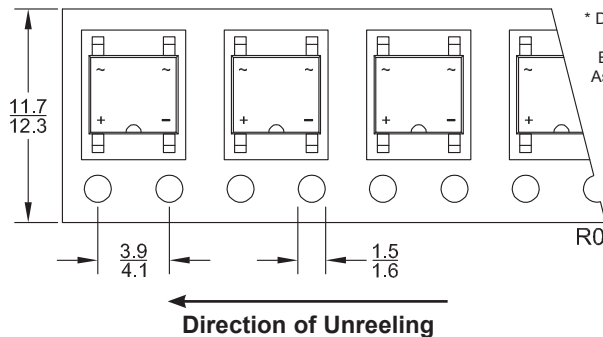
CBRLDSH2-60: CL60
CBRLDSH2-100: CLP2

LEAD CODE:



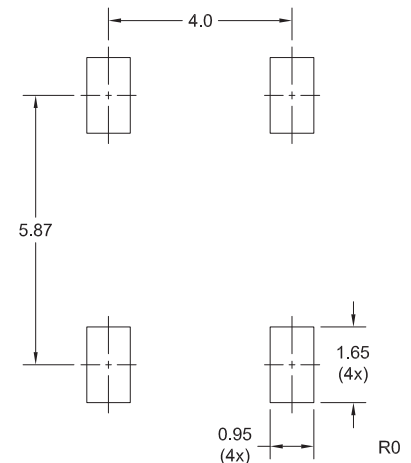
Tape Dimensions and Device Orientation (Dimensions in mm)

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	CBRLDSH2-60 TR13
		CBRLDSH2-100 TR13

TR13 = Suffix for 13 inch reels

Sample devices available upon request. To order samples visit: www.centrasemi.com/info/CBRLDSH2



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