

Schottky Bridge Rectifier in the BR DFN package



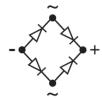


Rethink the Possibilities™

Discretes do Matter™



	CBRDFSH1-40	1A	40V
1A	CBRDFSH1-60	1A	60V
	CBRDFSH1-100	1A	100V
	CBRDFSH2-40	2A	40V
2A	CBRDFSH2-60	2A	60V
	CBRDFSH2-100	2A	100V



TR13 = 5,000 per reel in BR DFN package.







	Maximum Ratings (T _A = 25°C) Electrical Characteristics (T _A = 25°C unless otherwise no				otherwise noted	d)			
Central Part No.	lo	VRRM	TJ, T _{Stg}	V	F	@ IF	I	R	@ V _R
	(A) MAX	(V) MAX	(°C) MAX	(mV) TYP	(mV) MAX	(A)	(μΑ) TYP	(μΑ) MAX	(V)
CBRDFSH1-40	1.0	40	-55 to +125	490	500	1.0	25	200	40
CBRDFSH1-60	1.0	60	-55 to +125	600	700	1.0	25	200	60
CBRDFSH1-100	1.0	100	-55 to +125	800	850	1.0	25	200	100
CBRDFSH2-40	2.0	40	-55 to +125	490	520	2.0	25	200	40
CBRDFSH2-60	2.0	60	-55 to +125	600	700	2.0	25	200	60
CBRDFSH2-100	2.0	100	-55 to +125	800	850	2.0	25	200	100
CBRDFSH3-40*	3.0	40	-55 to +125	530	550	3.0	25	200	40
CBRDFSH3-60*	3.0	60	-55 to +125	670	700	3.0	25	200	60
* Devices currently under development									

Central is in the process of qualifying two 3A devices







Features

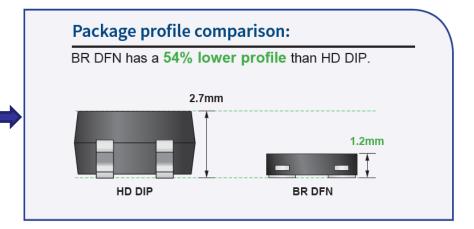
- Low forward voltage (V_F) as low as 500mV
- High current range (1.0A-3.0A)
- Low profile BR DFN package (1.22mm)

Applications

- Power over Ethernet (PoE)
 - Networks
 - Cameras
 - Speakers
 - Point of sale terminals
- Intelligent lighting

Benefits

- Energy efficiency
- Space savings
- Low profile package
- · RoHS and REACH compliant



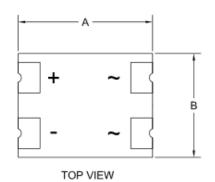


The DFN Schottky bridges are only available with Pb Free plating





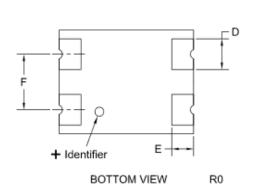
BR DFN CASE - MECHANICAL OUTLINE



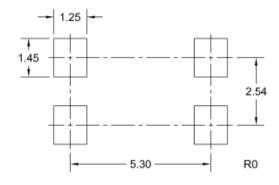
DIMENSIONS						
	INC	HES	MILLIMETERS			
SYMBOL	MIN	MAX	MIN	MAX		
Α	0.238	0.246	6.05	6.25		
В	0.183	0.191	4.65	4.85		
С	0.036	0.048	0.92	1.22		
D	0.053	0.057	1.35	1.45		
E	0.037	0.041	0.95	1.05		
F	0.098	0.102	2.49	2.59		
BB DEN (BEV): BO)						

BR DFN (REV: R0)





SUGGESTED MOUNTING PADS (Dimensions in mm)









Applications

PoE Audio Speakers Topology

PoE Controller

· Schottky Bridge Rectifiers Full Wave Memory / ·CBRHDSH1-100: 1A, 100V Schottky Bridge (HD DIP) Buffering CBRHDSH2-100: 2A, 200V Schottky Bridge (HD DIP) - CBRLDSH2-100: 2A, 100V Schottky Bridge (LPDIP) -CBRDFSH1-40: 1.0A, 40V (BR DFN) I/O Audio DSP/DAC Protection CBRDFSH1-60: **Amp** 1.0A, 60V (BR DFN) Ethernet / **Analog Output Digital Input** CBRDFSH1-100: 1.0A, 100V (BR DFN) CBRDFSH2-40: 2.0A, 40V (BR DFN) CBRDFSH2-60: 2.0A, 60V (BR DFN) PoE Controller Power to signal processing and amplifier CBRDFSH2-100: 2.0A, 100V (BR DFN) CBRDFSH3-40: 3.0A, 40V (BR DFN) -CBRDFSH3-60: 3.0A, 60V (BR DFN)



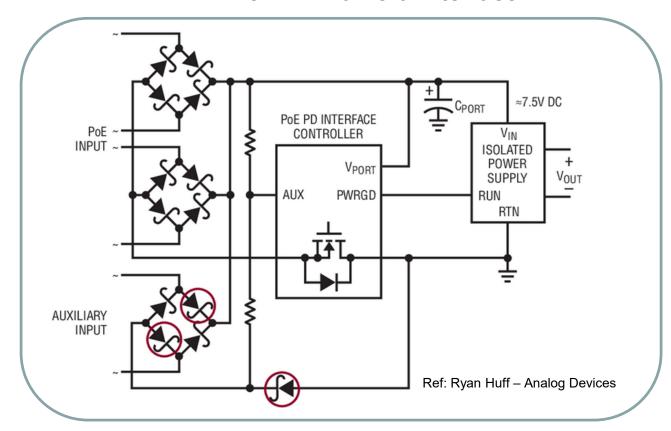


New Products – BR DFN Schottky Bridge Rectifiers Applications



PoE PD Camera Interface

This application of the Schottky bridge reduces heat dissipation within PoE security cameras





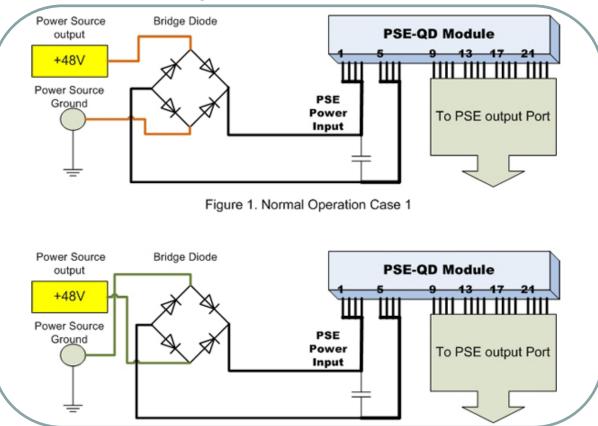




Applications

Polarity Protection

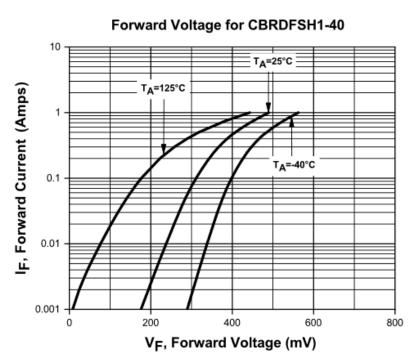
A simply and cost effective way to protect your circuit from polarity related issues is to apply a bridge diode at the DC power source output.

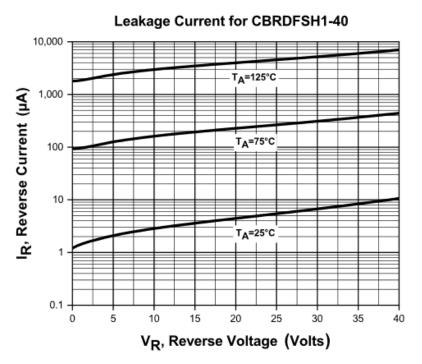












Data curves for other devices can be found on the individual datasheets







On-line

Central Semi Product Search Results containing 'CBRDFSH' Search found 6 products.

Part # Contains	Starts with
CBRDFSH	Search
A minimum of 3 characters is	required for searching

Displaying 1 through 6 of 6 results found.

Datash	eet	Part Number	Description	Packaging	∰ Package Details & Composition	Status
1	Addi	CBRDFSH1-100	Surface mount Rectifier-Bridge Schottky	Reel	BR DFN	Active
19 6	Addi	CBRDFSH1-40	Surface mount Rectifier-Bridge Schottky	Reel	BR DFN	Active
10	Addi	CBRDFSH1-60	Surface mount Rectifier-Bridge Schottky	Reel	BR DFN	Active
₽ 6	Addis	CBRDFSH2-100	Surface mount Rectifier-Bridge Schottky	Reel	BR DFN	Active
er L	Adde	CBRDFSH2-40	Surface mount Rectifier-Bridge Schottky	Reel	<u>BR DFN</u>	Active
en l	Acce	CBRDFSH2-60	Surface mount Rectifier-Bridge Schottky	Reel	<u>BR DFN</u>	Active

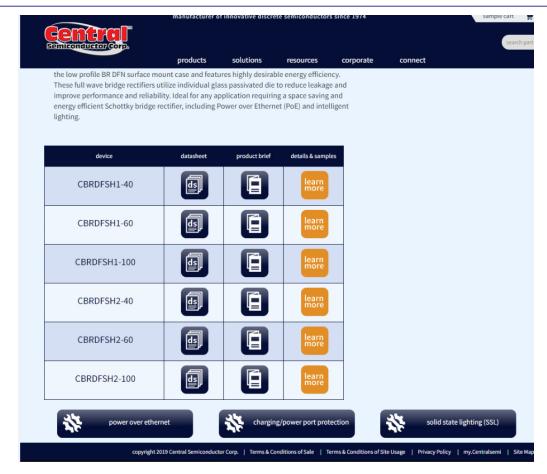






On-line

Landing page provides links to the device datasheets, Product Briefs and the ability to request samples

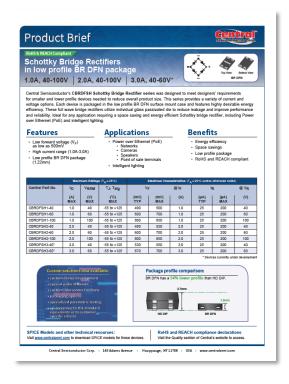


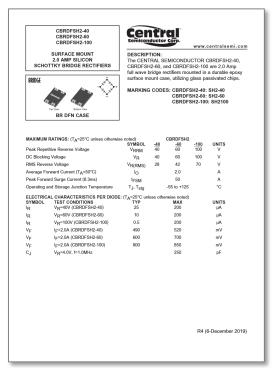


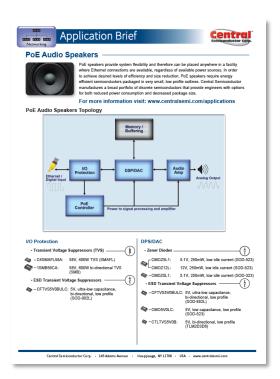


New Products Preview – BR DFN Bridge Rectifiers Literature









Product Brief

Datasheet

Application Brief





New Products – DFN Schottky Bridge Rectifiers On-line



Devices are available at the following franchised distributors:















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