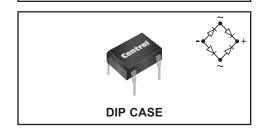


SILICON BRIDGE RECTIFIER 1 AMP, 100 THRU 1000 VOLTS





www.centralsemi.com

# DESCRIPTION:

The CENTRAL SEMICONDUCTOR CBR1-D010 series types are full wave silicon bridge rectifiers mounted in a durable epoxy molded case. These devices are ideal for printed circuit board mounting and fit into a standard DIP socket (0.1"/2.54mm spacing).

**NOTE:** Also available in fast recovery. Please contact factory for details.

#### MARKING: FULL PART NUMBER

MAXIMUM RATINGS: (T<sub>A</sub>=25°C unless otherwise noted))

		CBR1	CBR1	CBR1	CBR1	CBR1	CBR1	
	SYMBOL	<u>-D010</u>	-D020	-D040	-D060	-D080	<u>-D100</u>	UNITS
Peak Repetitive Reverse Voltage	V <sub>RRM</sub>	100	200	400	600	800	1000	V
DC Blocking Voltage	VR	100	200	400	600	800	1000	V
RMS Reverse Voltage	V <sub>R(RMS)</sub>	70	140	280	420	560	700	V
Average Forward Current (T <sub>A</sub> =50°C)	Ι <sub>Ο</sub>			1	.0			А
Peak Forward Surge Current	IFSM			5	0			А
Operating and Storage								
Junction Temperature	TJ, Tstg			-65 to	+150			°C
		-0500			- 4			

ELECTRICAL CHARACTERISTICS PER DIODE: (T <sub>A</sub> =25°C unless otherwise noted)						
SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS		
IR	V <sub>R</sub> =Rated V <sub>RRM</sub>		10	μΑ		
VF	I <sub>F</sub> =1.0A		1.1	V		

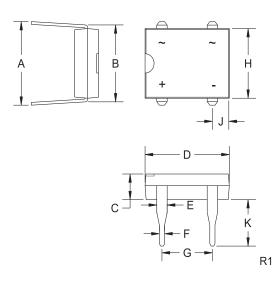
R3 (11-June 2012)



**CBR1-D010 SERIES** 

SILICON BRIDGE RECTIFIER 1 AMP, 100 THRU 1000 VOLTS

# **DIP CASE - MECHANICAL OUTLINE**



DIMENSIONS						
	INCHES		MILLIMETERS			
SYMBOL	MIN	MAX	MIN	MAX		
А	0.300	0.350	7.62	8.89		
В	0.285	0.315	7.24	8.00		
С	0.086	0.098	2.18	2.49		
D	0.316	0.335	8.03	8.51		
E	0.035	0.045	0.89	1.14		
F	0.018	0.022	0.46	0.56		
G	0.195	0.205	4.95	5.21		
Н	0.245	0.255	6.22	6.48		
J	0.055	0.075	1.40	1.91		
K	0.150	0.185	3.81	4.70		

DIP (REV: R1)

## MARKING: FULL PART NUMBER

R3 (11-June 2012)

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# **OUTSTANDING SUPPORT AND SUPERIOR SERVICES**

#### **PRODUCT SUPPORT**

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- Inventory bonding
- · Consolidated shipping options

### **DESIGNER SUPPORT/SERVICES**

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free quick ship samples (2<sup>nd</sup> day air)
- Online technical data and parametric search
- SPICE models
- Custom electrical curves
- Environmental regulation compliance
- Customer specific screening
- Up-screening capabilities

Special wafer diffusions

· Custom product packing

- PbSn plating options
- Package details
- Application notes
- · Application and design sample kits

Custom bar coding for shipments

Custom product and package development

## **REQUESTING PRODUCT PLATING**

- 1. If requesting Tin/Lead plated devices, add the suffix "TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
- If requesting Lead (Pb) Free plated devices, add the suffix "PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

## CONTACT US

## **Corporate Headquarters & Customer Support Team**

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