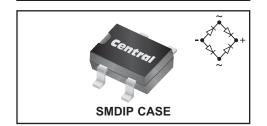
CBR1-D020S SERIES

SURFACE MOUNT 1 AMP SILICON BRIDGE RECTIFIER



Central Semiconductor Corp.

www.centralsemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CBR1-D020S series types are silicon full wave bridge rectifiers mounted in a durable epoxy surface mount molded case, utilizing glass passivated chips.

NOTE: Also available in Fast Recovery, please contact factory for details.

MARKING: FULL PART NUMBER

MAXIMUM RATINGS: (T _A =25°C unless otherwise noted)	SYMBOL	CBR1- <u>D020S</u>	CBR1- <u>D040S</u>	CBR1- <u>D060S</u>	CBR1- <u>D080S</u>	CBR1- D100S	UNITS
Peak Repetitive Reverse Voltage	VRRM	200	400	600	800	1000	V
DC Blocking Voltage	VR	200	400	600	800	1000	V
RMS Reve	V _{R(RMS)}	140	280	420	560	700	V
Average Forward Current (T _A =50°C)	IO			1.0			А
Peak Forward Surge Current	IFSM			50			А
Rating for Fusing (t<8.35ms)	l ² t			10			A ² s
Operating and Storage Junction Temperature	T _J , T _{stg}			-65 to +150)		°C

ELECTRICAL CHARACTERISTICS PER DIODE: (T_A=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I _R	V _R =Rated V _{RRM}			10	μA
I _R	V _R =Rated V _{RRM} , T _A =125°C			0.5	mA
V _F	I _F =1.0A			1.1	V
СЈ	V _R =4.0V, f=1.0MHz		25		pF

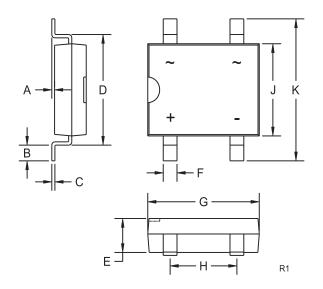
R3 (4-January 2010)



CBR1-D020S SERIES

SURFACE MOUNT 1 AMP SILICON BRIDGE RECTIFIER

SMDIP CASE - MECHANICAL OUTLINE



DIMENSIONS						
	INCHES		MILLIMETERS			
SYMBOL	MIN	MAX	MIN	MAX		
A	0.004	0.008	0.10	0.20		
В	0.040	0.060	1.02	1.52		
С	0.009		0.23			
D	0.290	0.310	7.37	7.87		
E	0.086	0.098	2.18	2.49		
F	0.038	0.042	0.97	1.07		
G	0.316	0.335	8.03	8.51		
Н	0.195	0.205	4.95	5.21		
J	0.245	0.255	6.22	6.48		
K	0.360	0.410	9.14	10.41		

SMDIP (REV: R1)

MARKING: FULL PART NUMBER

R3 (4-January 2010)

www.centralsemi.com

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

- Custom bar coding for shipments
- Custom product packing

DESIGNER SUPPORT/SERVICES

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

- Free quick ship samples (2nd 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
- PbSn plating options
- Package details
- Application notes
- Application and design sample kits
- Custom product and package development

CONTACT US

Corporate Headquarters & Customer Support Team

Central Semiconductor Corp. 145 Adams Avenue Hauppauge, NY 11788 USA Main Tel: (631) 435-1110 Main Fax: (631) 435-1824 Support Team Fax: (631) 435-3388 www.centralsemi.com

Worldwide Field Representatives: www.centralsemi.com/wwreps

Worldwide Distributors: www.centralsemi.com/wwdistributors

For the latest version of Central Semiconductor's **LIMITATIONS AND DAMAGES DISCLAIMER**, which is part of Central's Standard Terms and Conditions of sale, visit: <u>www.centralsemi.com/terms</u>

www.centralsemi.com

