CBR8M-L010 SERIES

SILICON BRIDGE RECTIFIERS 8.0 AMP, 100 THRU 1000 VOLT



www.centralsemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CBR8M-L010 series types are silicon, single phase, full wave bridge rectifiers designed for general purpose, high current applications.



CASE DM

MARKING: FULL PART NUMBER

MAXIMUM RATINGS: (T _A =25°C unless otherwise noted)			CBR8M					
	SYMBOL	-L010	-L020	<u>-L040</u>	-L060	-L080	<u>-L100</u>	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	V
DC Blocking Voltage	V_{R}	100	200	400	600	800	1000	V
RMS Reverse Voltage	V _{R(RMS)}	70	140	280	420	560	700	V
Average Forward Current (T _C =100°C)	IO			8.	0			Α
Peak Forward Surge Current	IFSM			20	00			Α
Operating and Storage								
Junction Temperature	T _J , T _{stg}			-65 to	+150			°C
Thermal Resistance	Θ JC			3.	0			°C/W

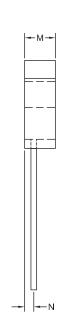
ELECTRICAL CHARACTERISTICS PER DIODE: (T _A =25°C unless otherwise noted)						
SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS		
I_R	V _R =Rated V _{RRM}		10	μΑ		
٧F	I _F =8.0A		1.1	V		

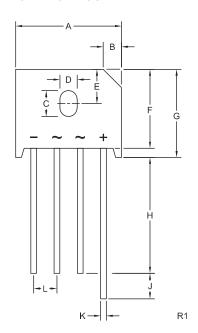
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CASE DM - MECHANICAL OUTLINE





MARKING: FULL PART NUMBER

DIMENSIONS						
	INC	HES	MILLIMETERS			
SYMBOL	MIN	MAX	MIN	MAX		
Α	0.894	0.937	22.7	23.8		
В	0.146	0.185	3.70	4.70		
С	0.213	0.236	5.40	6.00		
D	0.138	0.161	3.50	4.10		
E	0.295		7.50			
F	0.657	0.701	16.7	17.8		
G	0.740	0.780	18.8	19.8		
Н	1.000	-	25.4	-		
J	0.177	0.260	4.50	6.60		
K (DIA)	0.047	0.052	1.20	1.32		
L	0.181	0.220	4.60	5.60		
M	0.165	0.279	4.20	7.10		
N	0.071	0.087	1.80	2.20		
CASE DM (REV: R1)						

R3 (11-October 2013)

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

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