

CentralTM Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

CBR1 SERIES
CBR2 SERIES

SILICON BRIDGE RECTIFIERS

CASE A

DESCRIPTION

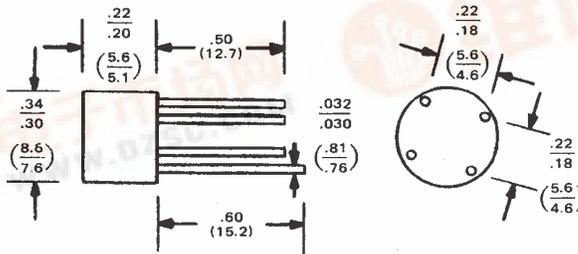
The CENTRAL SEMICONDUCTOR CBR1, CBR2, types are silicon single phase full wave Bridge Rectifiers designed for general purpose applications.

MAXIMUM RATINGS (T_A=50°C)

SYMBOL	CBR1	CBR1	CBR1	CBR1	CBR1	CBR1	UNIT		
	-010	-020	-040	-060	-080	-100			
Peak Repetitive Reverse Voltage	V _R 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 (CBR1)	I _O			1.5				A	
Average Forward Current (CBR2)	I _O			2.0				A	
Peak Forward Surge Current (CBR1)	I _{FSM}			50				A	
Peak Forward Surge Current (CBR2)	I _{FSM}			60				A	
Operating and Storage Junction Temperature	T _J , T _{stg}	-65 TO +150							°C

ELECTRICAL CHARACTERISTICS (T_A=25°C)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
V _F (CBR1 Series)	I _F =1.0A		1.0	V
V _F (CBR2 Series)	I _F =2.0A		1.1	V
I _R	V _R =Rated V _R RRM		10	μA



DIMENSIONS IN INCHES (MILLIMETERS)