

CentralTM Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

CBR1 SERIES
CBR2 SERIES

SILICON BRIDGE RECTIFIERS

CASE A

DESCRIPTION

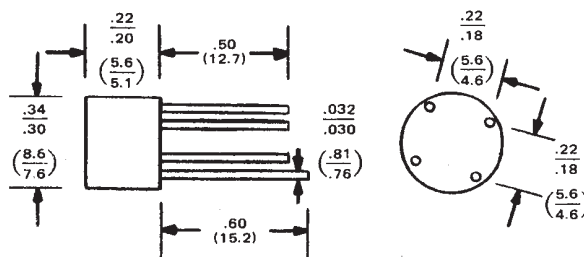
The CENTRAL SEMICONDUCTOR CBR1, CBR2, types are silicon single phase full wave Bridge Rectifiers designed for general purpose applications.

MAXIMUM RATINGS ($T_A=50^\circ\text{C}$)

		CBR1 -010	CBR1 -020	CBR1 -040	CBR1 -060	CBR1 -080	CBR1 -100	
	SYMBOL	CBR2 -010	CBR2 -020	CBR2 -040	CBR2 -060	CBR2 -080	CBR2 -100	UNIT
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 (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						$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($T_A=25^\circ\text{C}$)

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	$V_R=\text{Rated } V_{RRM}$		10	μA



DIMENSIONS IN INCHES (MILLIMETERS)