

CentralTM Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

CBR1 SERIES
CBR2 SERIES

SILICON BRIDGE RECTIFIERS

CASE A

DESCRIPTION

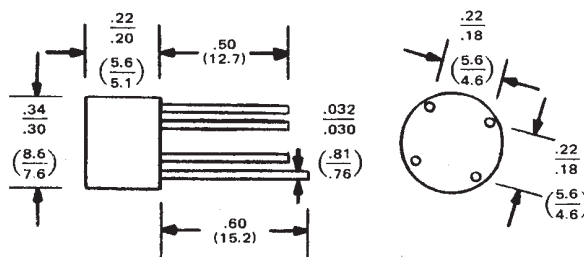
The CENTRAL SEMICONDUCTOR CBR1, CBR2, types are silicon single phase full wave Bridge Rectifiers designed for general purpose applications.

MAXIMUM RATINGS (T_A=50°C)

	SYMBOL	CBR1 -010	CBR1 -020	CBR1 -040	CBR1 -060	CBR1 -080	CBR1 -100	UNIT
Peak Repetitive Reverse Voltage	V _R RM	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 RM		10	μA



DIMENSIONS IN INCHES (MILLIMETERS)