

CentralTM Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

CBR8 SERIES

SILICON BRIDGE RECTIFIER
8.0 AMPS, 100 THRU 1000 VOLTS

CASE E

DESCRIPTION

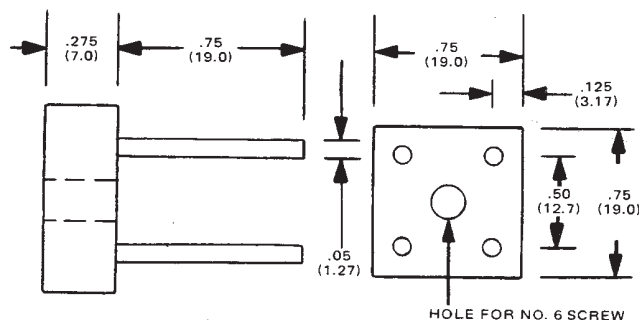
The CENTRAL SEMICONDUCTOR CBR8 series types are single phase full wave bridge rectifiers designed for general purpose applications.

MAXIMUM RATINGS (T_C=25°C unless otherwise noted)

	SYMBOL	CBR8 -010	CBR8 -020	CBR8 -040	CBR8 -060	CBR8 -080	CBR8 -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 (T _C =50°C)	I _O				8.0			A
Peak Forward Surge Current	I _{FSM}				150			A
Operating and Storage Junction Temperature	T _J , T _{stg}				-65 to +150			°C
Thermal Resistance	θ _{JA}				5.0			°C/W

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

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
V _F	I _F =4.0A		1.1	V
I _R	V _R =Rated V _{RRM}		10	μA
I _R	V _R =Rated V _{RRM} , T _A =100°C		1.0	mA



All Dimensions in Inches (Millimeters)