

CentralTM Semiconductor Corp.

145 Adams Avenue, Hauppauge, NY 11788 USA
Tel: (631) 435-1110 • Fax: (631) 435-1824

Manufacturers of World Class Discrete Semiconductors

CBR10-P SERIES

SILICON BRIDGE RECTIFIER
10 AMPS, 100 THRU 1000 VOLTS

CASE E

DESCRIPTION

The CENTRAL SEMICONDUCTOR CBR10-P Series types are Single Phase Full Wave Bridge Rectifiers designed for general purpose applications.

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

	SYMBOL	CBR10 -P010	CBR10 -P020	CBR10 -P040	CBR10 -P060	CBR10 -P080	CBR10 -P100	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				10			A
Peak Forward Surge Current	I _{FSM}				150			A
Operating and Storage Junction Temp. T _J , T _{stg}					-65 TO +150			°C

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

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
V _F	I _F =5.0A		1.1	V
I _R	V _R =Rated V _{RRM}		10	μA