

CentralTM Semiconductor Corp.

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

Manufacturers of World Class Discrete Semiconductors

CBR6F-010 SERIES

SILICON BRIDGE RECTIFIER
FAST RECOVERY
6.0 AMPS, 100 THRU 1000 VOLTS

EPOXY CASE

DESCRIPTION

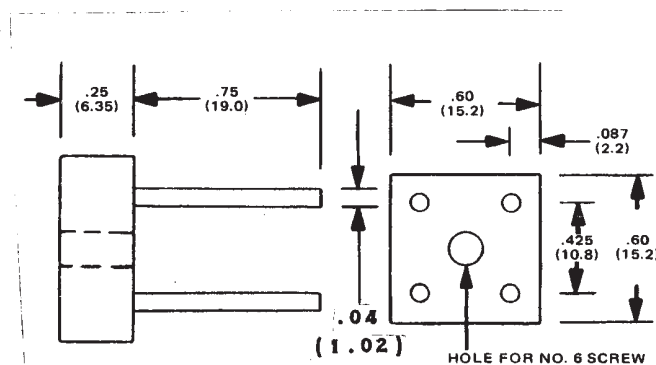
The CENTRAL SEMICONDUCTOR CBR6F-010 Series types are Silicon Single Phase Full Wave Bridge Rectifier designed for applications requiring fast reverse recovery times.

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

	SYMBOL	CBR6F -010	CBR6F -020	CBR6F -040	CBR6F -060	CBR6F -080	CBR6F -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			6.0				A
Peak Forward Surge Current	I _{FSM}			125				A
Operating and Storage Junction Temperature	T _J , T _{stg}			-65 TO +150				°C

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

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
V _F	I _F =3.0		1.3	V
I _R	V _R =Rated V _{RRM}		10	μA
t _{rr}	(100V thru 400V)		200	ns
t _{rr}	(600V thru 1000V)		350	ns



DIMENSIONS IN INCHES (MIL)