

# Central<sup>TM</sup> Semiconductor Corp.

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

Manufacturers of World Class Discrete Semiconductors

## CBR1-D010 SERIES

SILICON BRIDGE RECTIFIER  
1 AMP, 100 THRU 1000 VOLTS

DIP CASE

### DESCRIPTION

The CENTRAL SEMICONDUCTOR CBR1-D010 series types are Silicon Full Wave Bridge Rectifiers mounted in a durable epoxy molded case. This device is ideal for printed circuit board mounting and fits into a standard DIP socket (0.1"/2.54mm spacing). **NOTE:** Also available in Fast Recovery, Please contact factory for details.

### MAXIMUM RATINGS ( $T_A=25^\circ\text{C}$ unless otherwise noted)

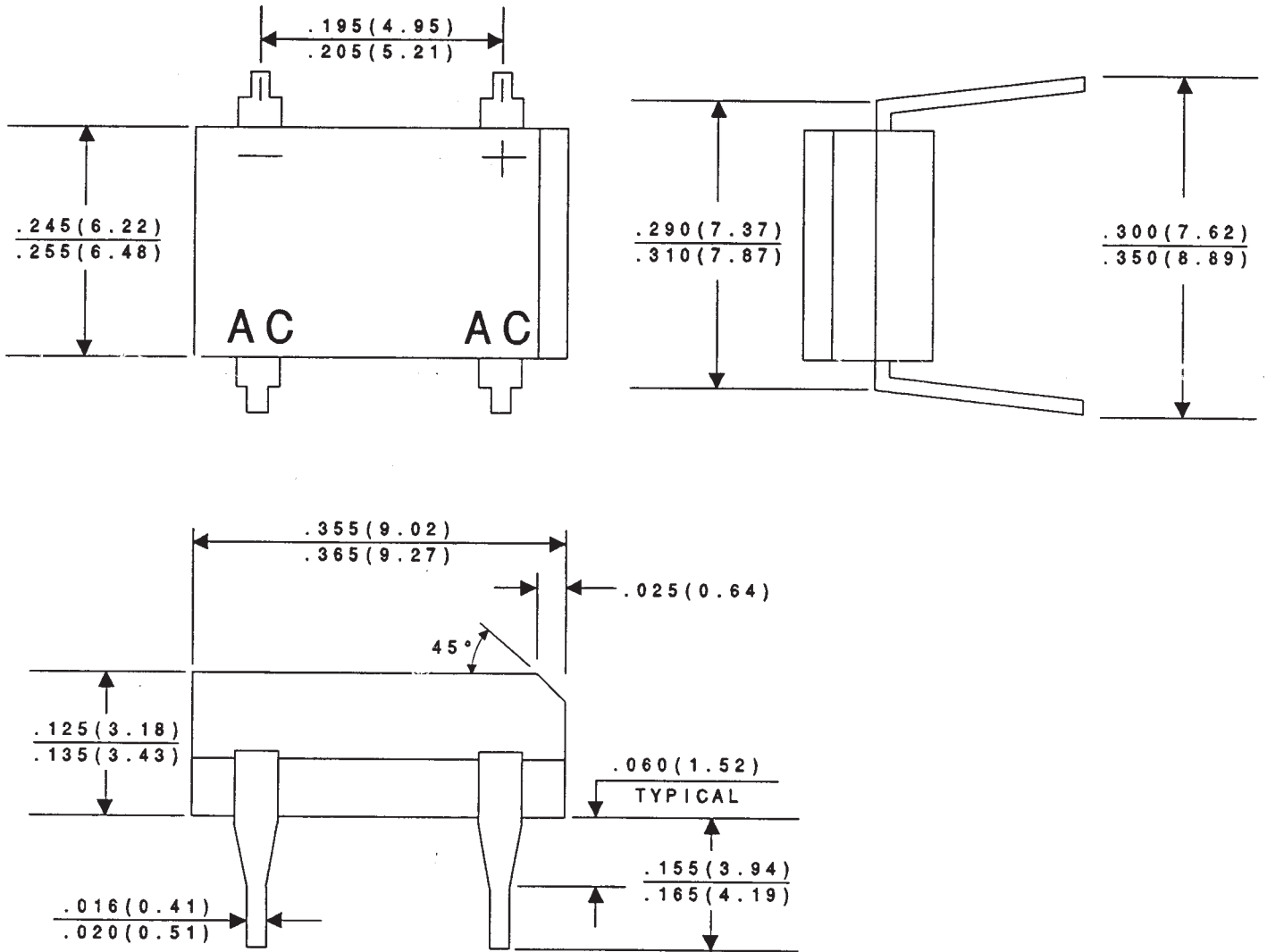
	<u>SYMBOL</u>	<u>CBR1 -D010</u>	<u>CBR1 -D020</u>	<u>CBR1 -D040</u>	<u>CBR1 -D060</u>	<u>CBR1 -D080</u>	<u>CBR1 -D100</u>	<u>UNITS</u>
Peak Repetitive Reverse Voltage	$V_{RRM}$	100	200	400	600	800	1000	V
DC Blocking Voltage	$V_R$	100	200	400	600	800	1000	V
RMS Reverse Voltage	$V_{R(RMS)}$	70	140	280	420	560	700	V
Average Forward Current ( $T_A=50^\circ\text{C}$ )	$I_O$				1.0			A
Peak Forward Surge Current	$I_{FSM}$				50			A
Operating and Storage Junction Temperature	$T_J, T_{stg}$			-65 to +150				$^\circ\text{C}$

### ELECTRICAL CHARACTERISTICS ( $T_A=25^\circ\text{C}$ unless otherwise noted)

<u>SYMBOL</u>	<u>TEST CONDITIONS</u>	<u>MIN</u>	<u>MAX</u>	<u>UNITS</u>
$V_F$	$I_F=1.0\text{A}$		1.1	V
$I_R$	$V_R=\text{Rated } V_{RRM}$		10	$\mu\text{A}$

(SEE REVERSE SIDE)

# DIP CASE - MECHANICAL OUTLINE



All Dimensions in Inches (mm).