

CentralTM Semiconductor Corp.

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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)

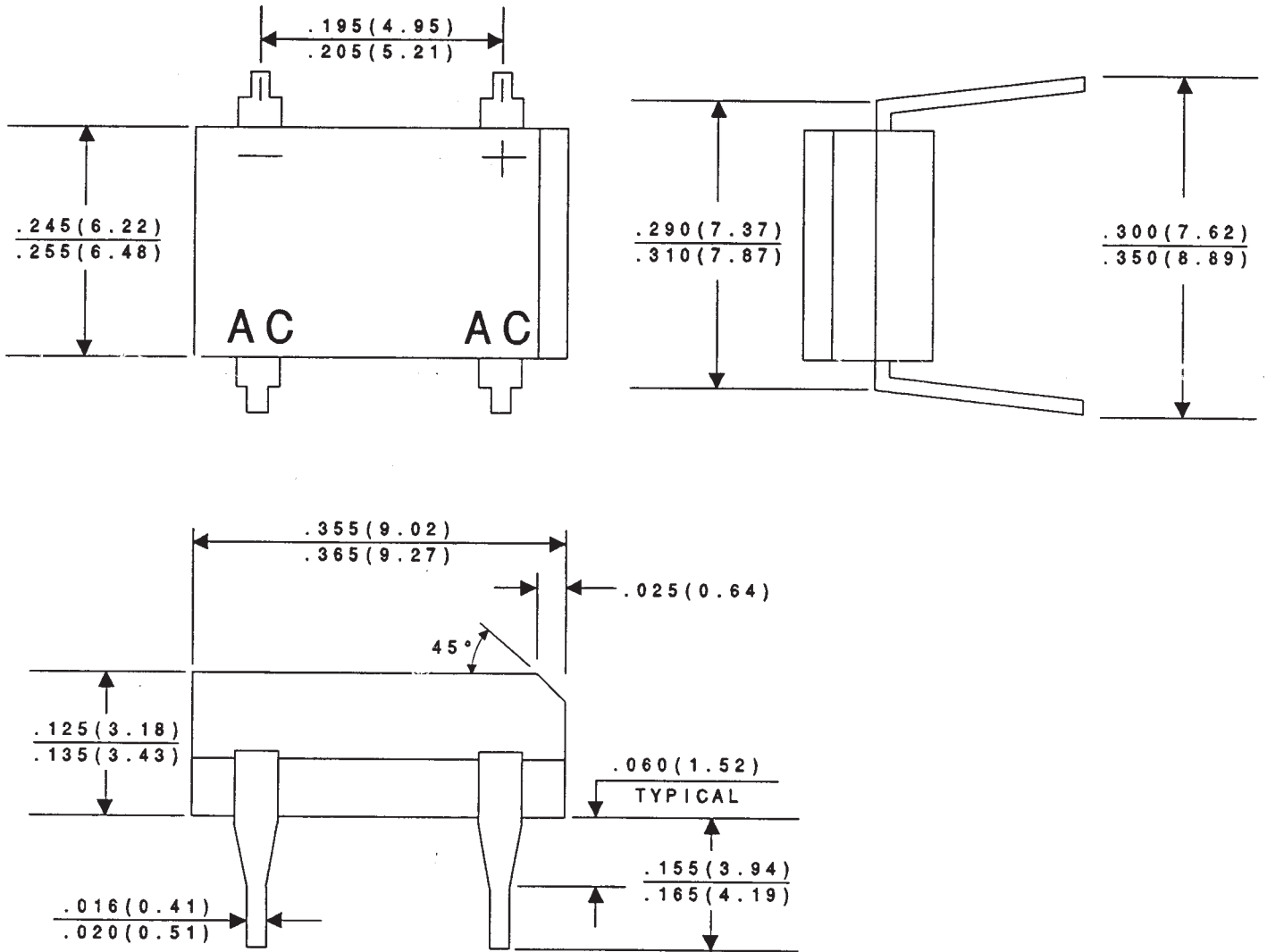
	<u>SYMBOL</u>	<u>CBR1 -D010</u>	<u>CBR1 -D020</u>	<u>CBR1 -D040</u>	<u>CBR1 -D060</u>	<u>CBR1 -D080</u>	<u>CBR1 -D100</u>	<u>UNITS</u>
Peak Repetitive Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	V
DC Blocking Voltage	V_R	100	200	400	600	800	1000	V
RMS Reverse Voltage	$V_{R(RMS)}$	70	140	280	420	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	μA

(SEE REVERSE SIDE)

DIP CASE - MECHANICAL OUTLINE



All Dimensions in Inches (mm).