

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°C unless otherwise noted)

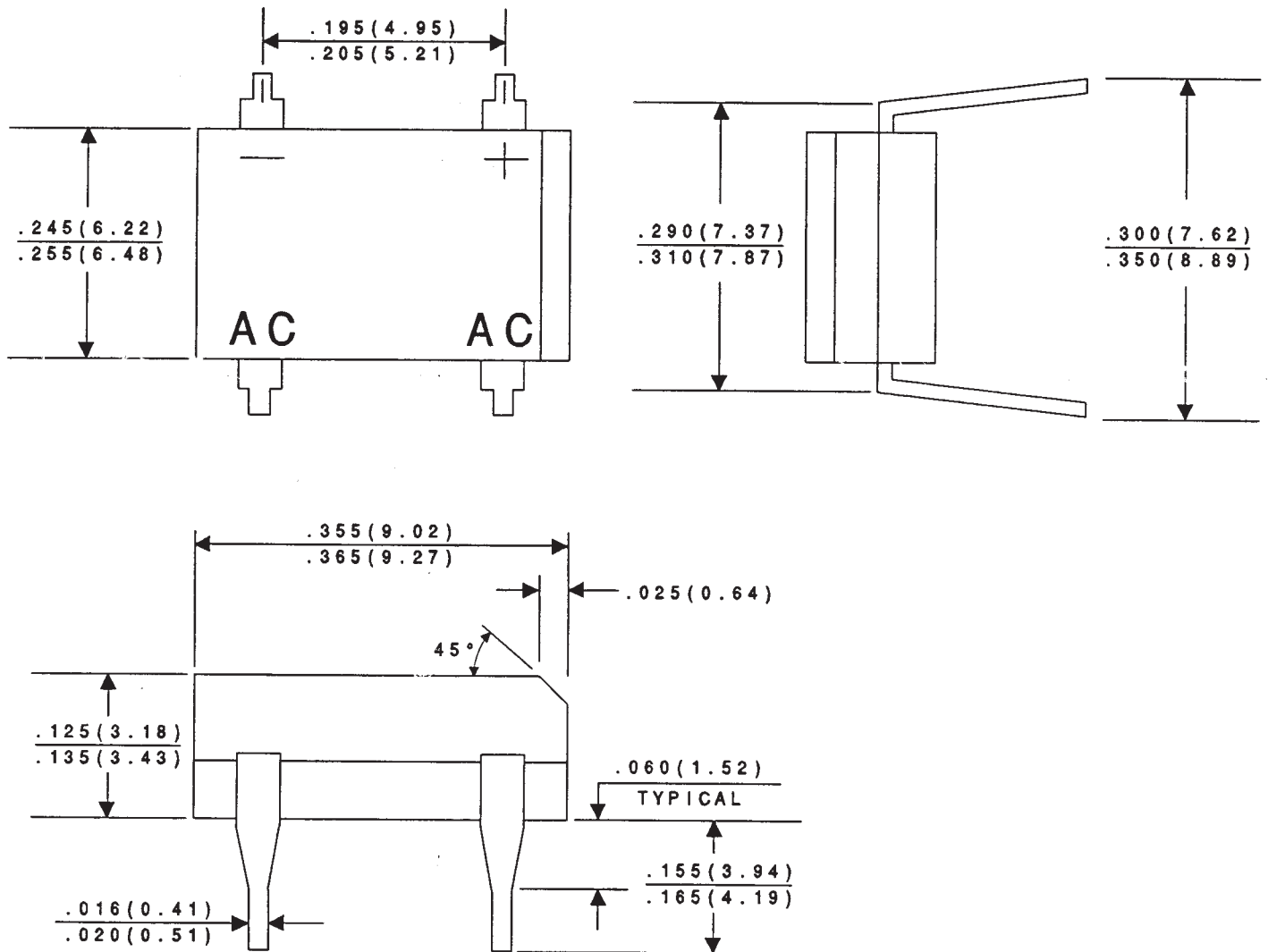
	SYMBOL	CBR1 -D010	CBR1 -D020	CBR1 -D040	CBR1 -D060	CBR1 -D080	CBR1 -D100	UNITS
Peak Repetitive Reverse Voltage	V _{RRM}	100	200	400	600	800	1000	V
DC Blocking Voltage	V _R	100	200	400	600	800	1000	V
RMS Reverse Voltage	V _{R(RMS)}	70	140	280	420	560	700	V
Average Forward Current (T _A =50°C)	I _O				1.0			A
Peak Forward Surge Current	I _{FSM}				50			A
Operating and Storage Junction Temperature	T _J , T _{stg}			-65 to +150				°C

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

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
V _F	I _F =1.0A		1.1	V
I _R	V _R =Rated V _{RRM}		10	μA

(SEE REVERSE SIDE)

DIP CASE - MECHANICAL OUTLINE



All Dimensions in Inches (mm).