



# Micro Commercial Components Corp.

Complete Discrete Semiconductor Solutions

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Part Number	W10M
product family	BRIDGE RECTIFIERS
package type	WOM
VRM(PRV)	1000V
Ifsm	50A
IF(AV)	1.5A
@Vf	1.0V
@If	1.5A
Trr	
IR	10μA
@VR	1000V
Package Qty	Bulk: 1K/Box, 10K/Ctn .

This product is listed under the following categories where you may find similar products:  
[Diodes](#)  
[Bridge Rectifiers](#)

# W005M THRU W10M

## Features

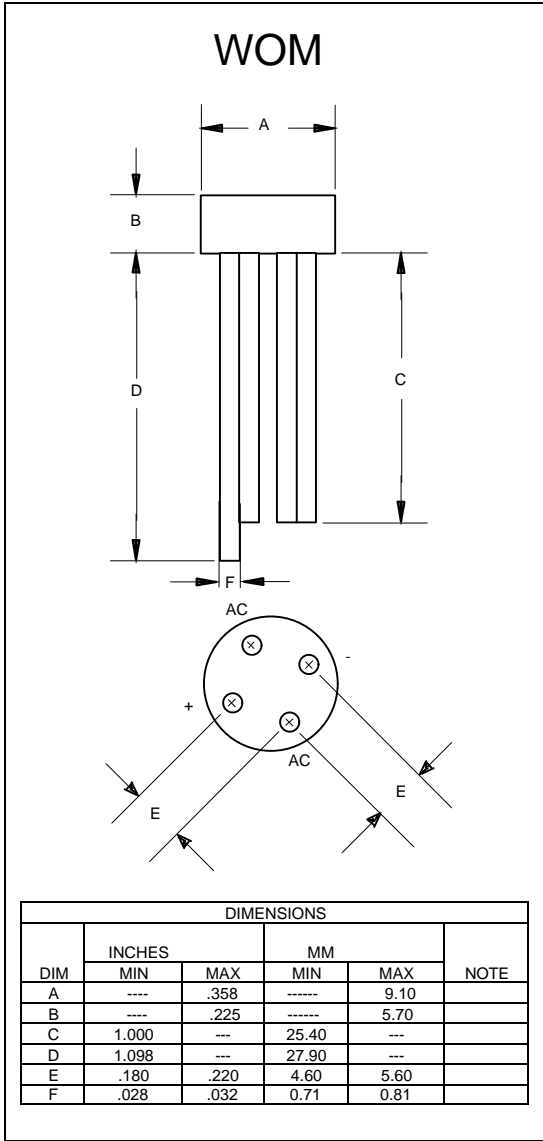
- Low Profile Package
- Any Mounting Position
- Silver Plated Copper Leads
- Surge Overload Rating Of 50 Amps
- UL Recognized File # E165989

## 1.5 Amp Single Phase Bridge Rectifier 50 to 1000 Volts

## Maximum Ratings

- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
W005M	W005M	50V	35V	50V
W01M	W01M	100V	70V	100V
W02M	W02M	200V	140V	200V
W04M	W04M	400V	280V	400V
W06M	W06M	600V	420V	600V
W08M	W08M	800V	560V	800V
W10M	W10M	1000V	700V	1000v



## Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	1.5A	$T_J = 25^\circ\text{C}$
Peak Forward Surge Current	$I_{FSM}$	50A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	$V_F$	1.0V	$I_{FM} = 1.5A;$ $T_J = 25^\circ\text{C}^*$
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	10 $\mu$ A 1mA	$T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$

\*Pulse test: Pulse width 300  $\mu$ sec, Duty cycle 1%