

## 2W005 thru 2W10

SILICON BRIDGE RECTIFIERS			REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 2.0 Amperes							
<ul> <li>FEATURES</li> <li>Surge overload rating -60 amperes peak</li> <li>Ideal for printed circuit board</li> <li>Reliable low cost construction utilizong molded plastic technique results in expensive product</li> <li>Mounting position :Any</li> <li>Lead: Sliver plated copper lead</li> </ul> MAXIMUM RATINGS AND ELECTRICAL CHA		WOB .220(5.6) .200(5.1) 1.1 (27.9) MIN 1.0 (25.4) MIN 1.0 (25.4) MIN 1.0 (25.4) MIN 1.0 (25.4) MIN 1.0 (25.4) 0.32(0.81) 1.0 (25.4) MIN 1.0 (25.4) MIN 1.0 (25.4) (220(5.6)) 1.80(4.6) (1.80(4.6)) (1.80(4.6)) (1.80(4.6)) Dimensions in inches and (millimeters)								
1 and $2$ $0$ $0$ $1$ $1$ $0$ $0$ $1$ $0$ $1$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$	lise specified	1.								
Rating at 25°C ambient temperature unless otherw Single phase, half wave .60Hz, resistive or inductiv	-	1.								
Single phase, half wave ,60Hz, resistive or inductive	-	1.								
Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20%	-		2W01	2W02	2W04	2W06	2W08	2W10	UNIT	
Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20% CHARACTERISTICS	ve load.	2W005 50	2W01 100	2W02 200	2W04 400	2W06 600	2W08 800	2W10 1000	UNIT V	
Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage	ve load.	2W005		-						
Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage	Ve load. SYMBOL VRRM VRMS	2W005 50 35	100 70	200 140	400 280	600 420	800 560	1000 700	V V	
Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage	Ve load. SYMBOL VRRM VRMS VDC	2W005 50	100	200	400 280 400	600	800	1000	V V V	
Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20%	Ve load. SYMBOL VRRM VRMS	2W005 50 35	100 70	200 140	400 280	600 420	800 560	1000 700	V V	
Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current 0.375″ (9.5mm) Lead Lengths @Ta=25 °C Peak Forward Surage Current , 8.3ms Single Half Sine-Wave	Ve load. SYMBOL VRRM VRMS VDC	2W005 50 35	100 70	200 140	400 280 400	600 420	800 560	1000 700	V V V	
Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current 0.375″ (9.5mm) Lead Lengths @Ta=25 °C Peak Forward Surage Current , 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	VE IOAd. SYMBOL VRRM VRMS VDC I(AV) IFSM	2W005 50 35	100 70	200 140	400 280 400 2.0	600 420	800 560	1000 700	V V A A	
Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current 0.375″ (9.5mm) Lead Lengths @Ta=25 °C Peak Forward Surage Current ,	Ve load. SYMBOL VRRM VRMS VDC I(AV)	2W005 50 35	100 70	200 140	400 280 400 2.0 60	600 420	800 560	1000 700	V V V A	
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Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current 0.375″ (9.5mm) Lead Lengths @TA=25 °C Peak Forward Surage Current , 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method) I <sup>2</sup> t Rating for Fusing (t<8.3ms) Maximum Forward Voltage Drop Per Element at 2.0A Peak Maximum DC Reverse Current at Rated TA=25°C DC Blocking Voltage TA=100°C	ve load. SYMBOL VRRM VRMS VDC I(AV) IFSM I <sup>2</sup> t VF IR	2W005 50 35	100 70	200 140 200	400 280 400 2.0 60 15.0 1.1 10.0 1.0	600 420 600	800 560	1000 700	V V A A A A <sup>2</sup> s V uA mA	

Note:1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.



## 2W005 thru 2W10

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Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage	ve load.	2W005		-						
Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage	Ve load. SYMBOL VRRM VRMS	2W005 50 35	100 70	200 140	400 280	600 420	800 560	1000 700	V V	
Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage	Ve load. SYMBOL VRRM VRMS VDC	2W005 50	100	200	400 280 400	600	800	1000	V V V	
Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20%	Ve load. SYMBOL VRRM VRMS	2W005 50 35	100 70	200 140	400 280	600 420	800 560	1000 700	V V	
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Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current 0.375″ (9.5mm) Lead Lengths @TA=25 °C Peak Forward Surage Current , 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method) I <sup>2</sup> t Rating for Fusing (t<8.3ms) Maximum Forward Voltage Drop Per Element at 2.0A Peak Maximum DC Reverse Current at Rated TA=25°C DC Blocking Voltage TA=100°C	ve load. SYMBOL VRRM VRMS VDC I(AV) IFSM I <sup>2</sup> t VF IR	2W005 50 35	100 70	200 140 200	400 280 400 2.0 60 15.0 1.1 10.0 1.0	600 420 600	800 560	1000 700	V V A A A A <sup>2</sup> s V uA mA	

Note:1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.