SINGLE-PHASE GLASS PASSIVATED BRIDGE RECTIFIERS REVERSE VOLTAGE 50 to 1000 Volts FORWARD CURRENT 1.5 Ampere

FEATURES

Rating to 1000VPRV. Ideal for printed circuit board. Low forward voltage drop, high current capability. Reliable low cost construction utilizing molded epoxy technique results in inexpensive product. The plastic material has UL flammability classification 94V-0.

MECHANICAL DATA

Case: Molded plastic. Polarity: As marked on Body. Weight: 0.05 ounces, 1.42grams. Mounting position: Any.

MAXIMUM RATINGS AND ELECTRICAL

CHARACTERISTICS

Ratings at 25 $^{\circ}$ ambient temperature unless otherwise specified , Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load derate current by 20%

SYMBOL	W005	W01	W02	W04	W06	W08	W10	UNIT
Vrrm	50	100	200	400	600	800	1000	V
Vrms	35	70	140	280	420	560	700	V
Vdc	50	100	200	400	600	800	1000	V
I(AV)				1.5				A
IFSM				50				A
VF				1.0				V
I _R				50				uA
II.				500				-
l ² t				10.4				A ² S
CJ				20				pF
Reja				36				°C/W
TJ			-5	55 to +15	60			°C
Тѕтс			-5	55 to +15	60			°C
	VRRM VRMS VDC I(AV) IFSM VF IR I ² t CJ RØJA TJ TSTG	VRRM 50 VRMS 35 VDC 50 I(AV) - IFSM - VF - IR - I ² t - CJ - R0JA -	VRRM 50 100 VRMS 35 70 VDC 50 100 I(AV)	VRRM 50 100 200 VRMS 35 70 140 VDC 50 100 200 I(AV) - - - IFSM - - - VF - - - IR - - - RØJA - - - Tstg - - -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{ c c c c } \hline V_{RRM} & 50 & 100 & 200 & 400 & 600 \\ \hline V_{RMS} & 35 & 70 & 140 & 280 & 420 \\ \hline V_{DC} & 50 & 100 & 200 & 400 & 600 \\ \hline I_{(AV)} & & & & & & & & \\ \hline I_{(AV)} & & & & & & & & & \\ \hline I_{FSM} & & & & & & & & & & \\ \hline VF & & & & & & & & & & & \\ \hline VF & & & & & & & & & & & \\ \hline VF & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & & & & & & &$	$\begin{array}{ c c c c } \hline V_{\text{RM}} & 50 & 100 & 200 & 400 & 600 & 800 \\ \hline V_{\text{RMS}} & 35 & 70 & 140 & 280 & 420 & 560 \\ \hline V_{\text{DC}} & 50 & 100 & 200 & 400 & 600 & 800 \\ \hline I_{(AV)} & & & & & & & & & \\ \hline I_{(AV)} & & & & & & & & & & & \\ \hline I_{\text{FSM}} & & & & & & & & & & & & \\ \hline VF & & & & & & & & & & & & & & \\ \hline VF & & & & & & & & & & & & & & \\ \hline VF & & & & & & & & & & & & & & \\ \hline I_{\text{R}} & & & & & & & & & & & & & & \\ \hline I_{\text{R}} & & & & & & & & & & & & & & \\ \hline I_{2}t & & & & & & & & & & & & & & \\ \hline I_{2}t & & & & & & & & & & & & & & & \\ \hline I_{2}t & & & & & & & & & & & & & & & \\ \hline I_{3} & & & & & & & & & & & & & & & \\ \hline I_{3} & & & & & & & & & & & & & & & \\ \hline I_{3} & & & & & & & & & & & & & & & \\ \hline I_{3} & & & & & & & & & & & & & & & & & \\ \hline I_{3} & & & & & & & & & & & & & & & & & \\ \hline I_{3} & & & & & & & & & & & & & & & & & & \\ \hline I_{3} & & & & & & & & & & & & & & & & & \\ \hline I_{3} & & & & & & & & & & & & & & & & & & \\ \hline I_{3} & & & & & & & & & & & & & & & & & & \\ \hline I_{3} & & & & & & & & & & & & & & & & & & &$	$\begin{array}{c cccccccccccc} V_{\text{RM}} & 50 & 100 & 200 & 400 & 600 & 800 & 1000 \\ \hline V_{\text{RMS}} & 35 & 70 & 140 & 280 & 420 & 560 & 700 \\ \hline V_{\text{DC}} & 50 & 100 & 200 & 400 & 600 & 800 & 1000 \\ \hline I_{(AV)} & & & & & & & & & & \\ \hline I_{\text{rSM}} & & & & & & & & & & & & \\ \hline VF & & & & & & & & & & & & & & & \\ \hline VF & & & & & & & & & & & & & & & & \\ \hline VF & & & & & & & & & & & & & & & & \\ \hline I_{\text{R}} & & & & & & & & & & & & & & & & & \\ \hline I_{2}^{2}t & & & & & & & & & & & & & & & & & & \\ \hline I_{2}^{1}t & & & & & & & & & & & & & & & & & & &$

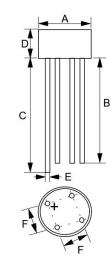
1- Measured at 1.0 MHz and applied reverse voltage of 4.0 Volts.

2- Thermal Resistance Junction to Ambient.

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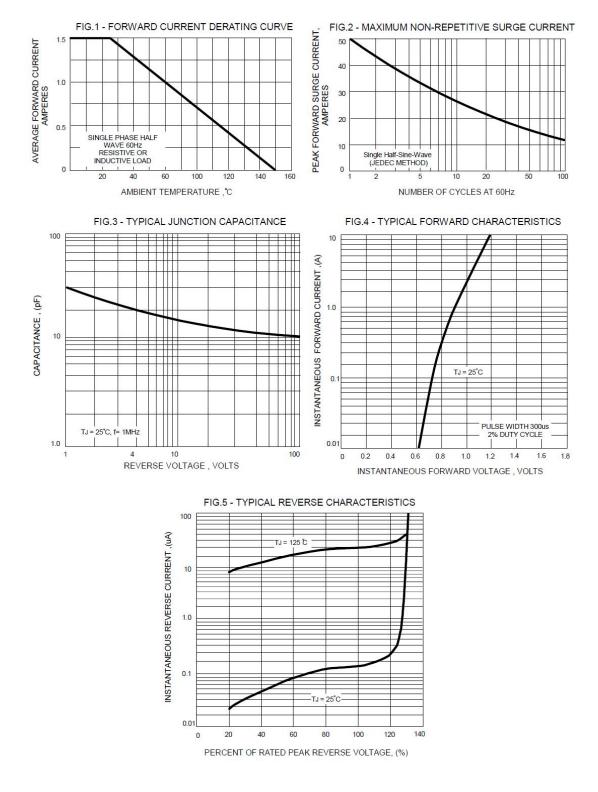
WOB						
DIM.	MIN.	MAX.				
Α	8.90	9.30				
В	25.4	-				
С	27.9					
D	5.10	5.60				
E	0.70	0.80				
F	4.60	5.60				

W005 THRU W10

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RATINGS AND CHARACTERISTIC CURVES

W005 THRU W10



Note: Specifications are subject to change without notice.

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