

W005G - W10G

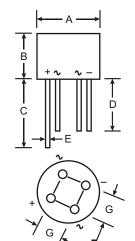
1.5A GLASS PASSIVATED BRIDGE RECTIFIER

Features

- Glass Passivated Die Construction
- Diffused Junction
- Low Forward Voltage Drop, High Current Capability
- Surge Overload Rating to 50A Peak
- Ideal for Printed Circuit Boards
- Case to Terminal Isolation Voltage 1500V
- Plastic Material: UL Flammability Classification Rating 94V-0
- UL Listed Under Recognized Component Index, File Number E94661

Mechanical Data

- Case: WOG, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Also Available in Lead Free Plating (Matte Tin Finish). Please see Ordering Information, Note 4, on Page 3
- Polarity: As marked on Body
- Weight: 1.3 grams (approx.)
- Mounting Position: Any
- Marking: Type Number



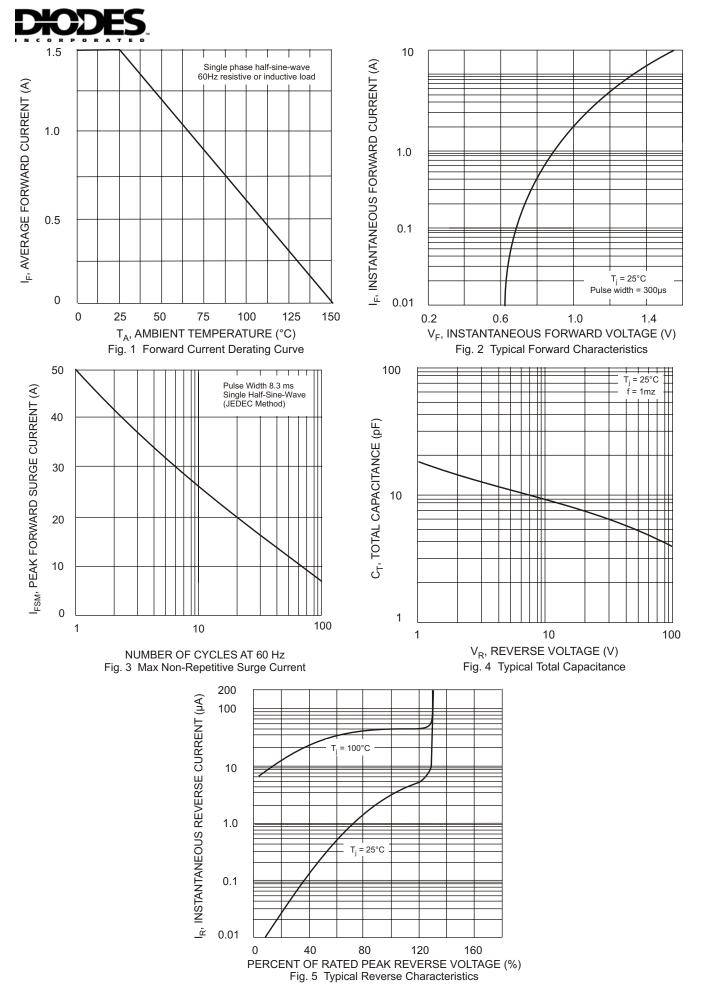
WOG						
Dim	Min	Max				
Α	8.84	9.86				
В	4.00	4.60				
С	27.90					
D	25.40					
E	0.71	0.81				
G	4.60	5.60				
All Dimensions in mm						

Maximum Ratings and Electrical Characteristics @ T_A = 25°C unless otherwise specified

Single phase, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	W005G	W01G	W02G	W04G	W06G	W08G	W10G	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	V _{R(RMS)}	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1) @ $T_A = 25^{\circ}C$		1.5						Α	
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load per element (JEDEC Method)		50					А		
Forward Voltage (per element) @ I _F = 1.5A	V _{FM}				1.0				V
Peak Reverse Current@ $T_A = 25^{\circ}C$ at Rated DC Blocking Voltage@ $T_A = 125^{\circ}C$		5.0 500					μA		
Typical Total Capacitance (Note 2)	Ст				12				pF
Typical Thermal Resistance Junction to Case (Note 1)	R _{0JC}				84				K/W
Operating and Storage Temperature Range		-65 to +150				°C			

Notes: 1. Thermal resistance from junction to case mounted on PC board with 13 x 13mm (0.03mm thick) land areas. 2. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.





Ordering Information (Note 3)

Device	Packaging	Shipping			
W005G-7	WOG	1K Bulk			
W01G-7	WOG	1K Bulk			
W02G-7	WOG	1K Bulk			
W04G-7	WOG	1K Bulk			
W06G-7	WOG	1K Bulk			
W08G-7	WOG	1K Bulk			
W10G-7	WOG	1K Bulk			

Notes:

For Packaging Details, go to our website at http://www.diodes.com/datasheets/ap02007.pdf.
For Lead Free version (with Lead Free terminal finish) part number, please add "-F" suffix to part number above. Example: W04G-7-F.