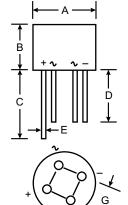


W005G - W10G

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



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							

Mechanical Data

Case: WOG, Molded Plastic

 Terminals: Plated Leads Solderable per MIL-STD-202, Method 208

Polarity: As marked on Body
Weight: 1.3 grams (approx.)
Mounting Position: Any

Marking: Type Number

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

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

Characteristic		W005G	W01G	W02G	W04G	W06G	W08G	W10G	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		50	100	200	400	600	800	1000	V
RMS Reverse Voltage		35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1) @ T _A = 25°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°C at Rated DC Blocking Voltage @ T _A = 125°C		5.0 500						μA	
Typical Junction Capacitance (Note 2)		12						pF	
Typical Thermal Resistance Junction to Case (Note 1)		84						K/W	
Operating and Storage Temperature Range		-65 to +150						°C	

otes: 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.

