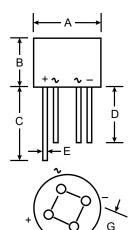


2W005G - 2W10G

2.0A GLASS PASSIVATED BRIDGE RECTIFIER

Features

- Glass Passivated Die Construction
- Diffused Junction
- Low Forward Voltage Drop, High Current Capability
- Surge Overload Rating to 60A 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							

MOG

Mechanical Data

Case: 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		Symbol	2W 005G	2W 01G	2W 02G	2W 04G	2W 06G	2W 08G	2W 10G	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	@ T _A = 25°C	lo	2.0							Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load per element (JEDEC Method)		I _{FSM}	60						А	
Forward Voltage (per element)	@ I _F = 2.0A	V_{FM}	1.1						V	
Peak Reverse Current at Rated DC Blocking Voltage	@ T _A = 25°C @ T _A = 125°C	I _{RM}	5.0 500					μА		
Typical Junction Capacitance (Note 2)		Cj	16							pF
Typical Thermal Resistance Junction to Case		R _{θJC}	40							°C/W
Operating and Storage Temperature Range		T _{j,} T _{STG}	-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.

