## Features

- Glass Passivated Die Construction
- Low Forward Voltage Drop, High Current Capability
- Surge Overload Rating to 60A Peak
- Ideal for Printed Circuit Boards
- Case to Terminal Isolation Voltage 1500 V
- UL Listed Under Recognized Component Index, File Number E94661
- Lead Free Finish, RoHS Compliant (Date Code 0514+) (Note 3)


## Mechanical Data

- Case: WOG
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0
- Terminals: Finish - Silver. Plated Leads Solderable per MIL-STD-202, Method 208 e3,
- Polarity: As marked on Body
- Marking: Type Number
- Weight: 1.3 grams (approximate)


| WOG |  |  |
| :---: | :---: | :---: |
| Dim | Min | Max |
| A | 8.84 | 9.86 |
| B | 4.00 | 4.60 |
| C | 27.90 | - |
| D | 25.40 | - |
| E | 0.71 | 0.81 |
| G | 4.60 | 5.60 |
| All Dimensions in $\mathbf{~ m m}$ |  |  |

## Maximum Ratings and Electrical Characteristics $\quad @ T_{A}=25^{\circ} \mathrm{C}$ unless otherwise specified



Notes: 1. Thermal resistance from junction to case mounted on PC board with $13 \times 13 \mathrm{~mm}$ ( 0.03 mm thick) land areas.
Measured at 1.0 MHz and applied reverse voltage of 4.0 V DC.
3. EC Directive 2002/95/EC (RoHS) revision 13.2.2003. Glass and high temperature solder exemptions applied, see EU Directive Annex Notes 5 and 7


Fig. 1 Forward Current Derating Curve

## 

NUMBER OF CYCLES AT 60 Hz
Fig. 3 Max Non-Repetitive Surge Current


Fig. 5 Typical Reverse Characteristics

## Ordering Information (Note 4)

| Device | Packaging | Shipping |
| :---: | :---: | :---: |
| 2W005G | WOG | 1K Bulk |
| 2W01G | WOG | 1K Bulk |
| 2W02G | WOG | 1K Bulk |
| 2W04G | WOG | 1K Bulk |
| 2W06G | WOG | 1K Bulk |
| 2W08G | WOG | 1 K Bulk |
| 2W10G | WOG | 1K Bulk |

Notes: 4. For packaging details, go to our website at http://www.diodes.com/datasheets/ap02007.pdf.

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