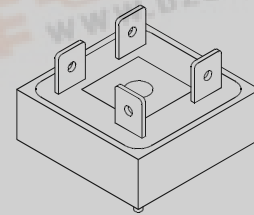


**200 V - 1,000 V Single Phase Bridge**  
**22.0 A - 25.0 A Forward Current**  
**70 ns - 3000 ns Recovery Time**

**1502A - 1510A**  
**1502FA - 1510FA**  
**1502UFA - 1510UFA**

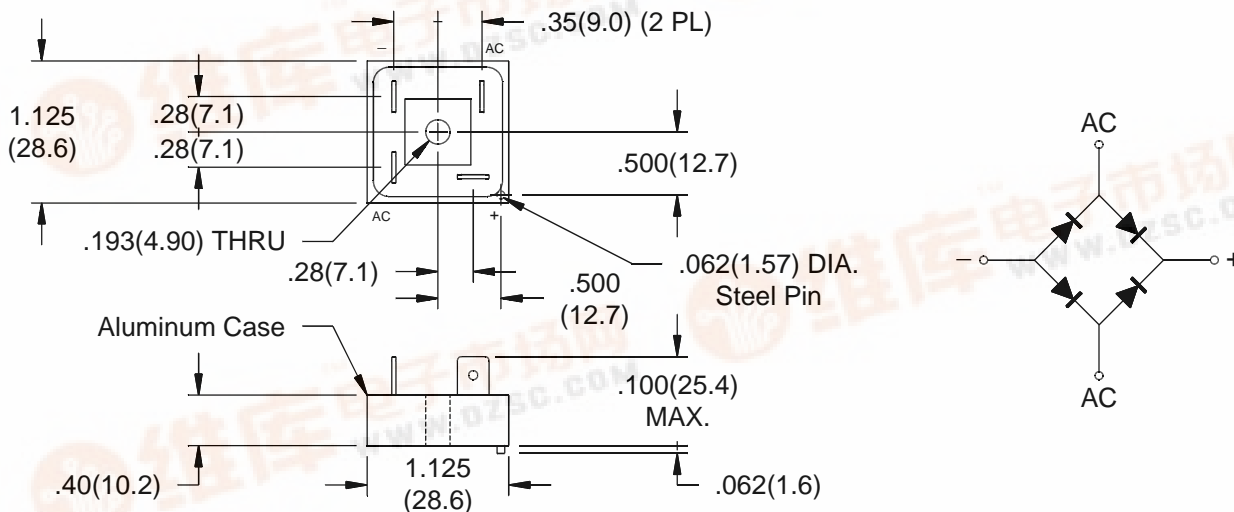


**ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS**

| Part Number | Working Reverse Voltage (Vrwm) | Average Rectified Current @TC (Io) |       | Reverse Current @ Vrwm (Ir) |       | Forward Voltage (Vf) |      | 1 Cycle Surge Current (Ifsm) | Repetitive Surge Current (Ifrm) | Reverse Recovery Time (1) (Trr) | Thermal Impd. (θJ-C) |
|-------------|--------------------------------|------------------------------------|-------|-----------------------------|-------|----------------------|------|------------------------------|---------------------------------|---------------------------------|----------------------|
|             |                                | 55°C                               | 100°C | 25°C                        | 100°C | 25°C                 | Amps | 25°C                         | 25°C                            | 25°C                            | °C/W                 |
|             |                                | Amps                               | Amps  | µA                          | µA    | Volts                | Amps | Amps                         | Amps                            | ns                              |                      |
| 1502A       | 200                            | 25.0                               | 18.0  | 1.0                         | 25    | 1.1                  | 3.0  | 150                          | 25                              | 3000                            | 2.0                  |
| 1506A       | 600                            | 25.0                               | 18.0  | 1.0                         | 25    | 1.1                  | 3.0  | 150                          | 25                              | 3000                            | 2.0                  |
| 1510A       | 1000                           | 25.0                               | 18.0  | 1.0                         | 25    | 1.1                  | 3.0  | 150                          | 25                              | 3000                            | 2.0                  |
| 1502FA      | 200                            | 25.0                               | 18.0  | 1.0                         | 25    | 1.2                  | 3.0  | 150                          | 25                              | 150                             | 2.0                  |
| 1506FA      | 600                            | 25.0                               | 18.0  | 1.0                         | 25    | 1.5                  | 3.0  | 150                          | 25                              | 150                             | 2.0                  |
| 1510FA      | 1000                           | 25.0                               | 18.0  | 1.0                         | 25    | 1.5                  | 3.0  | 150                          | 25                              | 150                             | 2.0                  |
| 1502UFA     | 200                            | 22.0                               | 13.0  | 1.0                         | 25    | 1.7                  | 3.0  | 150                          | 25                              | 70                              | 2.0                  |
| 1506UFA     | 600                            | 22.0                               | 13.0  | 1.0                         | 25    | 1.7                  | 3.0  | 150                          | 25                              | 70                              | 2.0                  |
| 1510UFA     | 1000                           | 22.0                               | 13.0  | 1.0                         | 25    | 1.7                  | 3.0  | 150                          | 25                              | 70                              | 2.0                  |

(1)Trr Testing: If=0.5A, Ir=1.0A, Irr=0.25A \*Op. Temp. & Stg. Temp. = -55°C to +150°C Isolation Voltage: 2000V

10



Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.



**VOLTAGE MULTIPLIERS INC.**  
 8711 W. Roosevelt Ave.  
 Visalia, CA 93291

TEL 559-651-1402  
 FAX 559-651-0740  
 www.voltagemultipliers.com

# 1502A - 1510A • 1502FA - 1510FA • 1502UFA - 1510UFA

