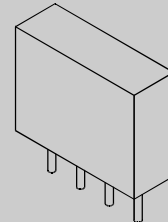


# 200 V - 1,000 V Single Phase Bridge

3.0 A Forward Current

70 ns - 3000 ns Recovery Time

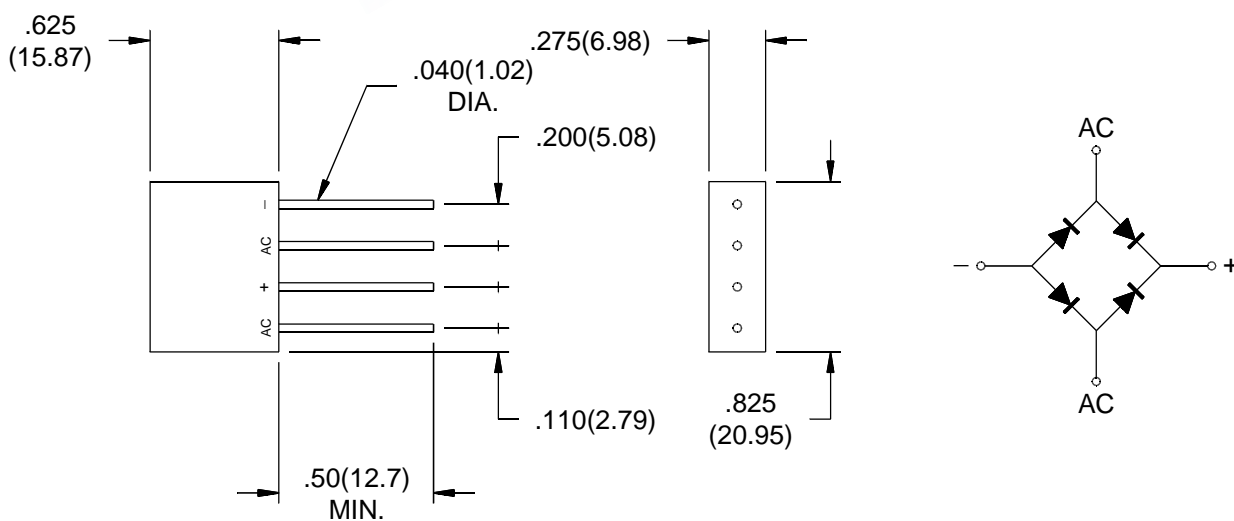
**1202D - 1210D**  
**1202FD - 1210FD**  
**1202UFD - 1210UFD**



## ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

| Part Number | Working Reverse Voltage<br>(V <sub>rw</sub> ) | Average Rectified Current @TC<br>(I <sub>o</sub> ) |       | Reverse Current @ V <sub>rw</sub><br>(I <sub>r</sub> ) |       | Forward Voltage<br>(V <sub>f</sub> ) |      | 1 Cycle Surge Current<br>t <sub>p</sub> =8.3ms<br>(I <sub>fsm</sub> ) | Repetitive Surge Current<br>(I <sub>frm</sub> ) | Reverse Recovery Time<br>(1)<br>(T <sub>rr</sub> ) | Thermal Impd.<br>θ <sub>J-c</sub> |
|-------------|---|--|-------|--|-------|--------------------------------------|------|---|---|--|-----------------------------------|
|             |   | 55°C   | 100°C | 25°C   | 100°C | 25°C                                 | Amps | 25°C  | 25°C  | 25°C   | °C/W                              |
|             |   | Volts  | Amps  | Amps   | µA    | µA                                   |      | Volts   | Amps  | ns   |                                   |
| 1202D       | 200   | 3.0  | 1.8   | 1.0  | 25    | 1.1                                  | 3.0  | 150   | 25  | 3000   | 21                                |
| 1206D       | 600   | 3.0  | 1.8   | 1.0  | 25    | 1.1                                  | 3.0  | 150   | 25  | 3000   | 21                                |
| 1210D       | 1000  | 3.0  | 1.8   | 1.0  | 25    | 1.1                                  | 3.0  | 150   | 25  | 3000   | 21                                |
| 1202FD      | 200   | 3.0  | 1.8   | 1.0  | 25    | 1.5                                  | 3.0  | 100   | 20  | 150  | 21                                |
| 1206FD      | 600   | 3.0  | 1.8   | 1.0  | 25    | 1.5                                  | 3.0  | 100   | 20  | 150  | 21                                |
| 1210FD      | 1000  | 3.0  | 1.8   | 1.0  | 25    | 1.5                                  | 3.0  | 100   | 20  | 150  | 21                                |
| 1202UFD     | 200   | 3.0  | 1.8   | 1.0  | 25    | 1.7                                  | 3.0  | 100   | 20  | 70   | 21                                |
| 1206UFD     | 600   | 3.0  | 1.8   | 1.0  | 25    | 1.7                                  | 3.0  | 100   | 20  | 70   | 21                                |
| 1210UFD     | 1000  | 3.0  | 1.8   | 1.0  | 25    | 1.7                                  | 3.0  | 100   | 20  | 70   | 21                                |

(1)T<sub>rr</sub> Testing: I<sub>f</sub>=0.5A, I<sub>r</sub>=1.0A, I<sub>rr</sub>=0.25A \*Op. Temp.= -55°C to +150°C Stg. Temp.= -55°C to +150°C



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



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# 1202D - 1210D • 1202FD - 1210FD • 1202UFD - 1210UFD

