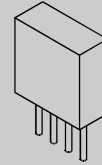


# 200 V - 1,000 V Single Phase Bridge

1.4 A - 1.5 A Forward Current

70 ns - 3000 ns Recovery Time

**1102C - 1110C**  
**1102FC - 1110FC**  
**1102UFC - 1110UFC**

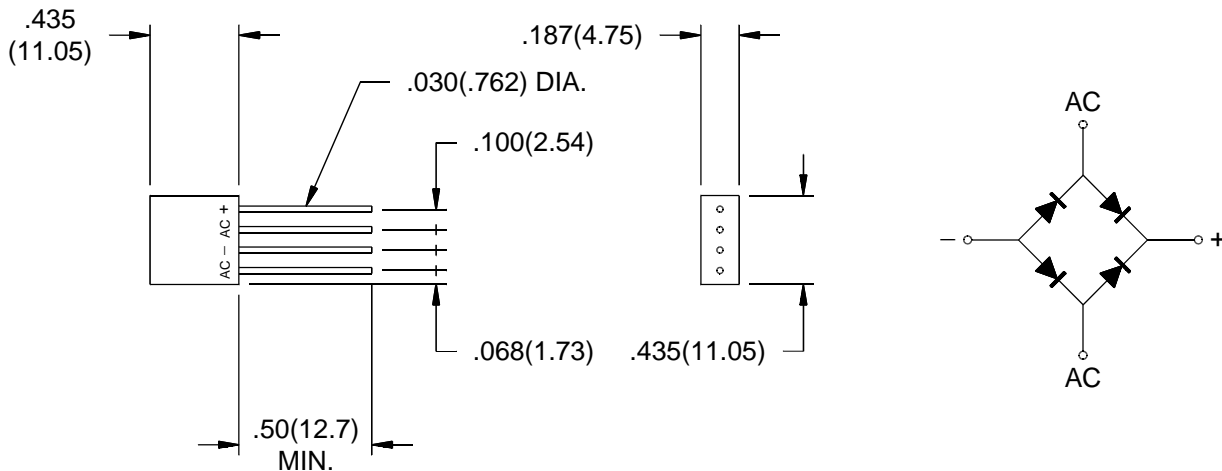


## ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

| Part Number                   | Working Reverse Voltage<br>(V <sub>rwm</sub> ) | Average Rectified Current @TC (I <sub>o</sub> ) |                   | Reverse Current @ V <sub>rwm</sub> (I <sub>r</sub> ) |                | Forward Voltage (V <sub>f</sub> ) |                   | 1 Cycle Surge Current<br>tp=8.3ms (I <sub>fsm</sub> ) | Repetitive Surge Current (I <sub>frm</sub> ) | Reverse Recovery Time (1) (T <sub>rr</sub> ) | Thermal Impd. θ <sub>J-C</sub> |
|-------------------------------|--|---|-------------------|--|----------------|-----------------------------------|-------------------|---|--|--|--------------------------------|
|                               |  | 55°C  | 100°C             | 25°C   | 100°C          | 25°C                              |                   | 25°C  | 25°C   | 25°C   |                                |
|                               |  | Amps  | Amps              | µA   | µA             | Volts                             | Amps              | Amps  | Amps   | ns   | °C/W                           |
| 1102C<br>1106C<br>1110C       | 200<br>600<br>1000                             | 1.5<br>1.5<br>1.5                               | 1.0<br>1.0<br>1.0 | 1.0<br>1.0<br>1.0                                    | 25<br>25<br>25 | 1.1<br>1.1<br>1.1                 | 1.0<br>1.0<br>1.0 | 50<br>50<br>50  | 10<br>10<br>10                               | 3000<br>3000<br>3000                         | 22.5<br>22.5<br>22.5           |
| 1102FC<br>1106FC<br>1110FC    | 200<br>600<br>1000                             | 1.5<br>1.5<br>1.5                               | 1.0<br>1.0<br>1.0 | 1.0<br>1.0<br>1.0                                    | 25<br>25<br>25 | 1.3<br>1.3<br>1.3                 | 1.0<br>1.0<br>1.0 | 25<br>25<br>25  | 6.0<br>6.0<br>6.0                            | 150<br>150<br>150                            | 22.5<br>22.5<br>22.5           |
| 1102UFC<br>1106UFC<br>1110UFC | 200<br>600<br>1000                             | 1.4<br>1.4<br>1.4                               | 0.9<br>0.9<br>0.9 | 1.0<br>1.0<br>1.0                                    | 25<br>25<br>25 | 1.7<br>1.7<br>1.7                 | 1.0<br>1.0<br>1.0 | 25<br>25<br>25  | 5.0<br>5.0<br>5.0                            | 70<br>70<br>70                               | 22.5<br>22.5<br>22.5           |

(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

**10**



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



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# 1102C - 1110C • 1102FC - 1110FC • 1102UFC - 1110UFC

