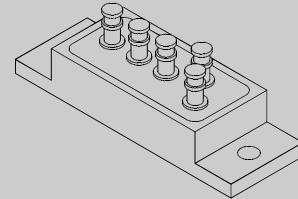


# 200 V - 1,000 V Three Phase Bridge

18.0 A - 20.0 A Forward Current

70 ns - 3000 ns Recovery Time

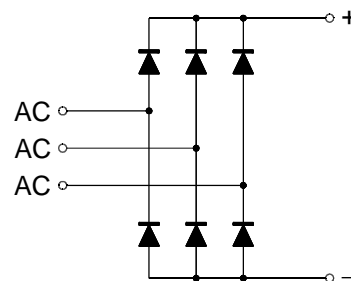
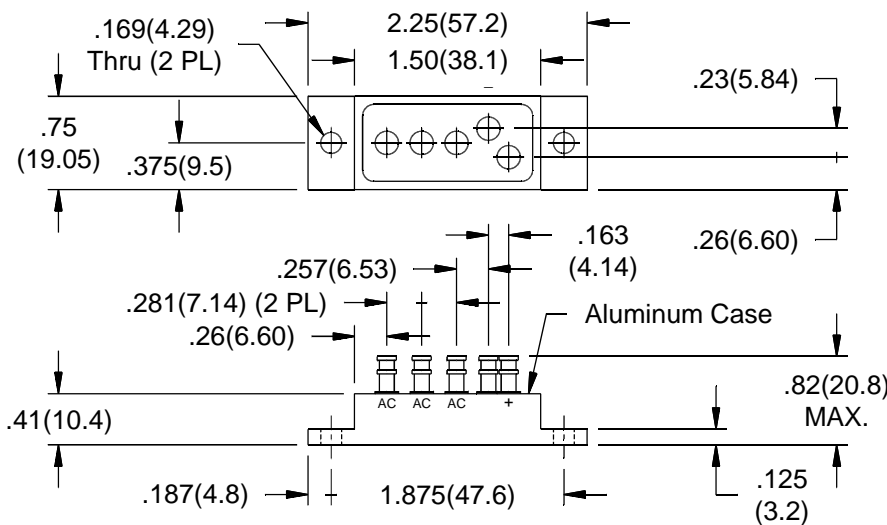
**3402B - 3410B**  
**3402FB - 3410FB**  
**3402UFB - 3410UFB**



## ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

| Part Number                   | Working Reverse Voltage<br>(V <sub>rw</sub> ) | Average Rectified Current @TC (I <sub>o</sub> ) |                      | Reverse Current @ V <sub>rw</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   | °C/W                           |
|                               |   | Amps  | Amps                 | µA  | µA             | Volts                             | Amps              | Amps  | Amps   | ns   |                                |
| 3402B<br>3406B<br>3410B       | 200<br>600<br>1000                            | 20.0<br>20.0<br>20.0                            | 13.0<br>13.0<br>13.0 | 1.0<br>1.0<br>1.0                                   | 25<br>25<br>25 | 1.2<br>1.2<br>1.5                 | 9.0<br>9.0<br>9.0 | 150<br>150<br>150                                     | 25<br>25<br>25                               | 3000<br>3000<br>3000                         | 2.2<br>2.2<br>2.2              |
| 3402FB<br>3406FB<br>3410FB    | 200<br>600<br>1000                            | 20.0<br>20.0<br>20.0                            | 12.5<br>12.5<br>12.5 | 1.0<br>1.0<br>1.0                                   | 25<br>25<br>25 | 1.5<br>1.5<br>1.7                 | 9.0<br>9.0<br>9.0 | 100<br>100<br>100                                     | 20<br>20<br>20                               | 150<br>150<br>150                            | 2.2<br>2.2<br>2.2              |
| 3402UFB<br>3406UFB<br>3410UFB | 200<br>600<br>1000                            | 18.0<br>18.0<br>18.0                            | 12.0<br>12.0<br>12.0 | 1.0<br>1.0<br>1.0                                   | 25<br>25<br>25 | 2.0<br>2.0<br>2.0                 | 9.0<br>9.0<br>9.0 | 100<br>100<br>100                                     | 20<br>20<br>20                               | 70<br>70<br>70                               | 2.2<br>2.2<br>2.2              |

(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. & Stg. Temp. = -55°C to +150°C Isolation Voltage: 2000V



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



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# 3402B - 3410B • 3402FB - 3410FB • 3402UFB - 3410UFB

