

TECHNICAL DATA DATA SHEET 392, REV -

## THREE PHASE FULL WAVE BRIDGE RECTIFIER ASSEMBLY

DESCRIPTION: 200, 400, 600 VOLT, 20 AMP, 2000 NANOSECOND THREE PHASE BRIDGE RECTIFIER ASSEMBLY.

MAX. RATINGS / ELECTRICAL CHARACTERISTICS All ratings are at  $T_A = 25^{\circ}$ C unless otherwise specified.

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|--|---|-------------------------|-----|----------------------------------|----------|
| RATING   | CONDITIONS  | MIN                     | TYP | MAX                              | UNIT     |
| Peak Inverse Voltage<br>(PIV)  | -   | -                       | -   | 200                              | Vdc      |
|  |   |                         |     | 400                              |          |
|  |   |                         |     | 600                              |          |
| Average DC Output<br>Current (I <sub>o</sub> )                       | $T_C = 55$ °C   | -                       | -   | 30                               | Amps     |
|  | $T_C = 100$ °C  |                         |     | 20                               |          |
| Peak Single Cycle Surge<br>Current (I <sub>fsm</sub> )               | t <sub>p</sub> = 8.3 ms Single<br>Half Cycle Sine<br>Wave,<br>Superimposed On<br>Rated Load | -                       | -   | 100                              | Amps(pk) |
| Operating and Storage<br>Temp. (T <sub>op</sub> & T <sub>stg</sub> ) | -   | -55                     | -   | +150                             | °C       |
| Maximum Forward<br>Voltage (V <sub>f</sub> )                         | I <sub>f</sub> = 9.0A (300 μsec<br>pulse, duty cycle <<br>2%)                               | -                       | -   | 1.3                              | Volts    |
| Maximum Instantaneous<br>Reverse Current At Rated<br>(PIV)           | T <sub>A</sub> = 25° C  | -                       | -   | 5.0                              | μAmps    |
|  | T <sub>A</sub> = 100° C   |                         |     | 100                              |          |
| Reverse Recovery Time (t <sub>rr</sub> )                             | $I_f = 0.5A, I_r = 1.0A, I_{rr}$<br>= 0.25A   | -                       | -   | 2000                             | nsec     |
| Thermal Resistance (θ <sub>JL</sub> )                                | -   | -                       | -   | 1.25                             | °C/W     |

<sup>•</sup> World Wide Web - http://www.sensitron.com • E-Mail Address - sales@sensitron.com •

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## **MECHANICAL DIMENSIONS: In Inches / mm**

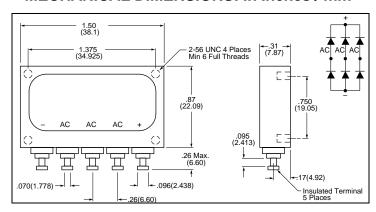


FIG. 406

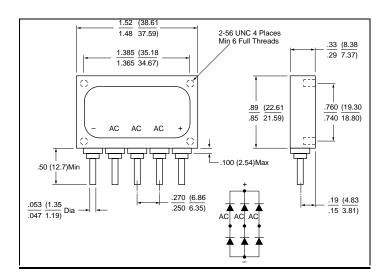


FIG. 406L

Note: Case finish - Black Anodized

Note: Suffix L denotes Option-A, which is the leaded version of Fig. 406

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