**SENSITRON SEMICONDUCTOR**

**SL30320FR**
**SL30320FRL**
**SL30340FR**
**SL30340FRL**
**SL30360FR**
**SL30360FRL**

**TECHNICAL DATA**
**DATA SHEET 1193, REV A**

# THREE PHASE FULL WAVE BRIDGE RECTIFIER ASSEMBLY

**DESCRIPTION: 200, 400, 600 VOLT, 16.5 AMP, 150 NANOSECOND THREE PHASE BRIDGE RECTIFIER ASSEMBLY.**

**MAX. RATINGS / ELECTRICAL CHARACTERISTICS** All ratings are at $T_A = 25^oC$ unless otherwise specified.

| RATING | CONDITIONS | MIN | TYP | MAX | UNIT |
|---|---|---|---|---|---|
| Peak Inverse Voltage (PIV)<br>**SL30320FR**<br>**SL30340FR**<br>**SL30360FR** | - | - | - | <br>200<br>400<br>600 | Vdc |
| Average DC Output Current ($I_o$) | $T_C = 55^oC$<br>$T_C = 100^oC$ | - | - | 22.5<br>16.5 | Amps |
| Peak Single Cycle Surge Current ($I_{fsm}$) | $t_p$ = 8.3 ms Single Half Cycle Sine Wave, Superimposed On Rated Load | - | - | 125 | Amps(pk) |
| Operating and Storage Temp. ($T_{op}$ & $T_{stg}$) | - | -55 | - | +150 | °C |
| Maximum Forward Voltage ($V_f$) | $I_f$ = 9.0A (300 µsec pulse, duty cycle < 2%) | - | - | 1.6 | Volts |
| Maximum Instantaneous Reverse Current At Rated (PIV) | $T_A = 25°$ C<br>$T_A = 100°$ C | - | - | 5.0<br>100 | µAmps |
| Reverse Recovery Time ($t_{rr}$) | $I_f$ = 0.5A, $I_r$ = 1.0A, $I_{rr}$ = 0.25A | - | - | 250 | nsec |
| Thermal Resistance ($\theta_{JL}$) | - | - | - | 1.25 | °C/W |

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## MECHANICAL DIMENSIONS: In Inches / mm

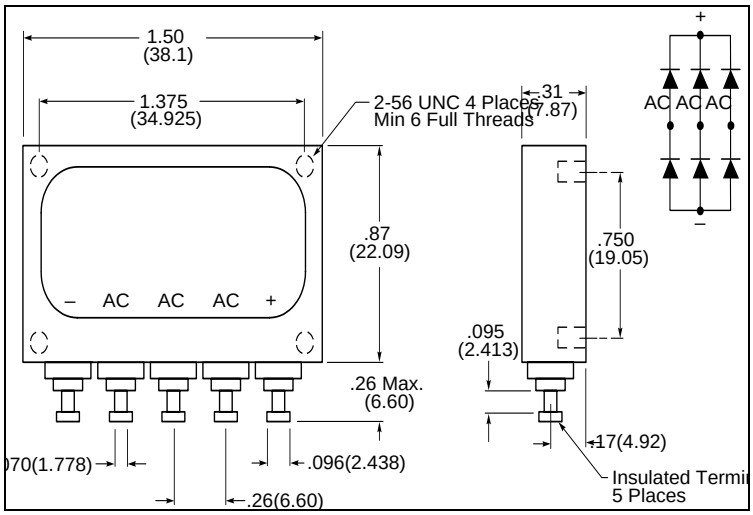



**FIG. 406**

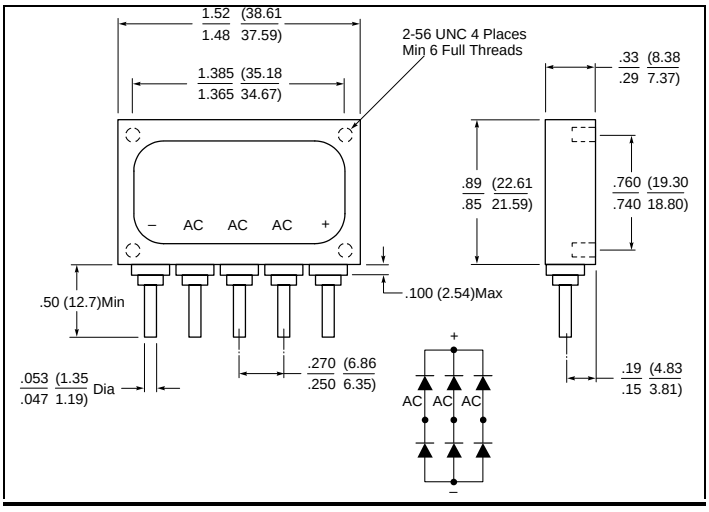



**FIG. 406L**

**Notes:**

1) Suffix L denotes Option-A, which is the leaded version of Fig. 406
2) Case finish - Black Anodized


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