

**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  $T_A = 25^\circ\text{C}$  unless otherwise specified.

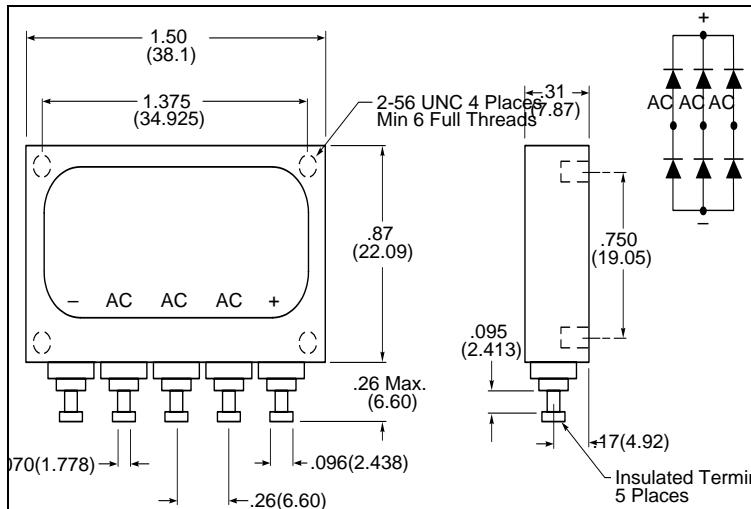
| RATING   | CONDITIONS   | MIN | TYP | MAX               | UNIT               |
|--|--|-----|-----|-------------------|--------------------|
| Peak Inverse Voltage (PIV)<br><b>SL30320FR</b><br><b>SL30340FR</b><br><b>SL30360FR</b> |  | -   | -   | 200<br>400<br>600 | Vdc                |
| Average DC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

**SL30320FR  
SL30320FRL  
SL30340FR  
SL30340FRL  
SL30360FR  
SL30360FRL**

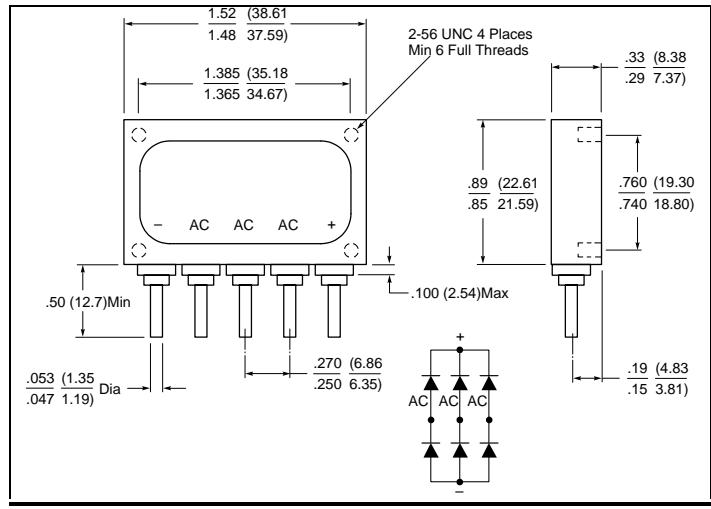
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**SENSITRON**  
**TECHNICAL DATA**  
**DATA SHEET 1193, REV**

## 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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