

**SENSITRON**  
**SEMICONDUCTOR**

TECHNICAL DATA  
 DATA SHEET 1193, REV B

**THREE PHASE FULL WAVE  
 BRIDGE RECTIFIER ASSEMBLY**

DESCRIPTION: 200, 400, 600 VOLT, 16.5 AMP, 180 NANOSECOND THREE PHASE BRIDGE RECTIFIER ASSEMBLY.

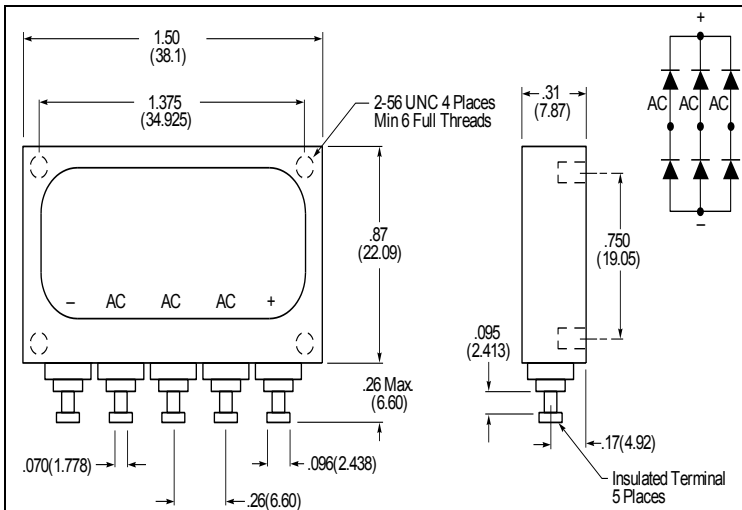
MAX. RATINGS / ELECTRICAL CHARACTERISTICS All ratings are at  $T_A = 25^\circ\text{C}$  unless otherwise specified.

RATING	CONDITIONS	MIN	TYP	MAX	UNIT
Peak Inverse Voltage (PIV) SL30320FR SL30340FR SL30360FR	-	-	-	200 400 600	Vdc
Average DC Output Current ( $I_o$ )	$T_C = 55^\circ\text{C}$ $T_C = 100^\circ\text{C}$	-	-	22.5 16.5	Amps
Peak Single Cycle Surge Current ( $I_{fsm}$ )	$t_p = 8.3$ ms Single Half Cycle Sine Wave, Superimposed On Rated Load	-	-	100	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)	$T_A = 25^\circ\text{C}$ $T_A = 100^\circ\text{C}$	-	-	5.0 100	$\mu\text{Amps}$
Reverse Recovery Time ( $t_{rr}$ )	$I_f = 0.5\text{A}$ , $I_r = 1.0\text{A}$ , $I_{rr} = 0.25\text{A}$	-	-	180	nsec
Thermal Resistance ( $\theta_{JL}$ )	-	-	-	1.75	$^\circ\text{C/W}$

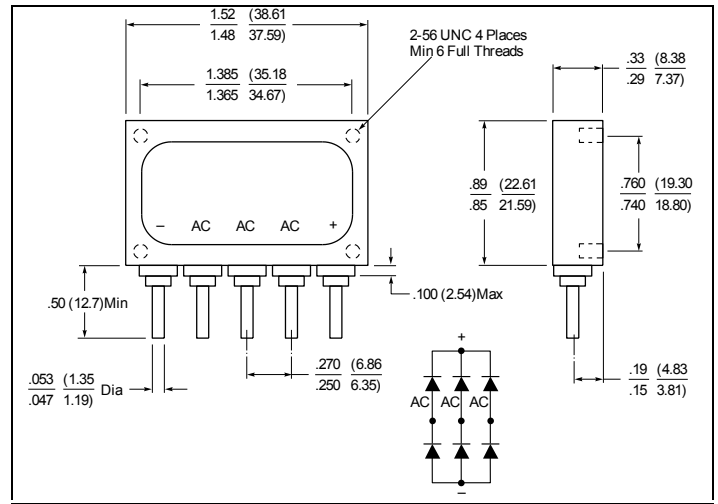
SL30320FR  
 SL30320FRL  
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 SL30340FRL  
 SL30360FR  
 SL30360FRL

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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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