

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 μsec 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	μAmps
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 (θ_{JL})	-	-	-	1.75	$^\circ\text{C/W}$

SL30320FR
 SL30320FRL
 SL30340FR
 SL30340FRL
 SL30360FR
 SL30360FRL

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MECHANICAL DIMENSIONS: In Inches / mm

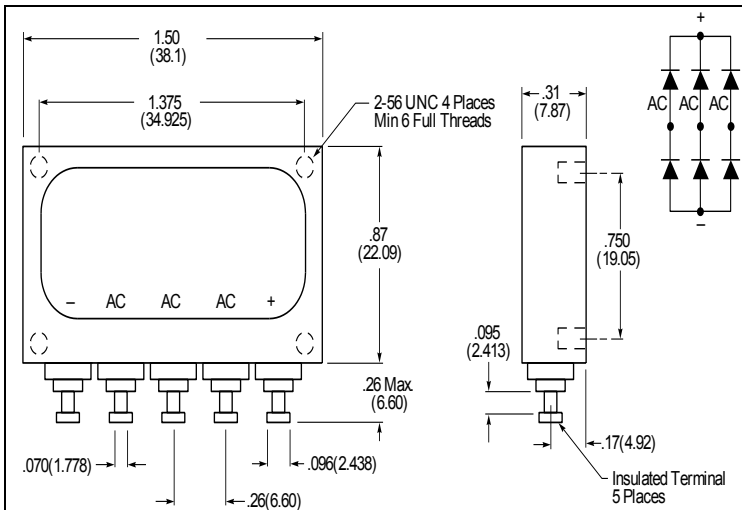


FIG. 406

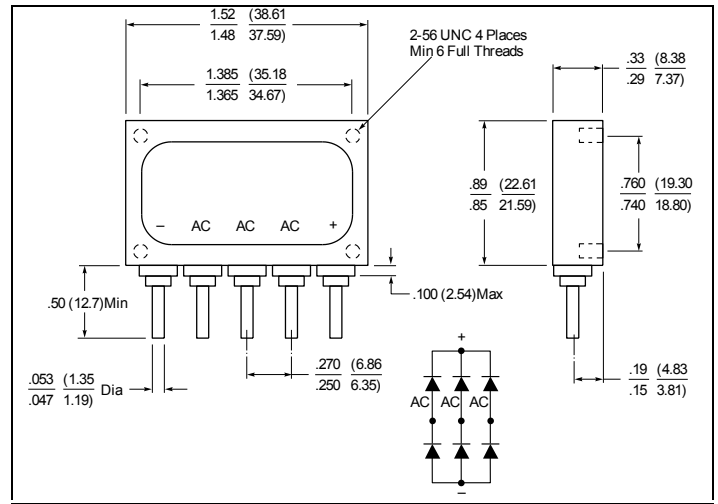


FIG. 406L

Notes:

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

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