

SENSITRON **SEMICONDUCTOR**

TECHNICAL DATA
DATA SHEET 392, REV A

THREE PHASE FULL WAVE BRIDGE RECTIFIER ASSEMBLY

DESCRIPTION: 200, 400, 600 VOLT, 20 AMP, 5000 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) SL30320, SL30320L SL30340, SL30340L SL30360, SL30360L	-	-	-	200 400 600	Vdc
Average DC Output Current (I_o)	$T_C = 55^\circ\text{C}$ $T_C = 100^\circ\text{C}$	-	-	30 20	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%)	-	-	1.3	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})	$I_f = 0.5\text{A}$, $I_r = 1.0\text{A}$, $I_{rr} = 0.25\text{A}$	-	-	5000	nsec
Thermal Resistance (θ_{JL})	-	-	-	1.25	$^\circ\text{C/W}$

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MECHANICAL DIMENSIONS: In Inches / mm

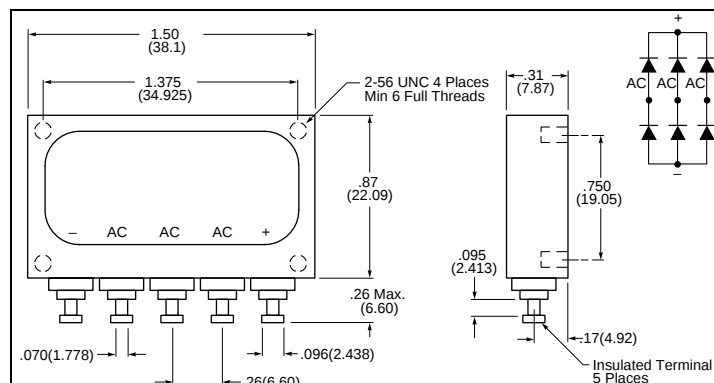


FIG. 406

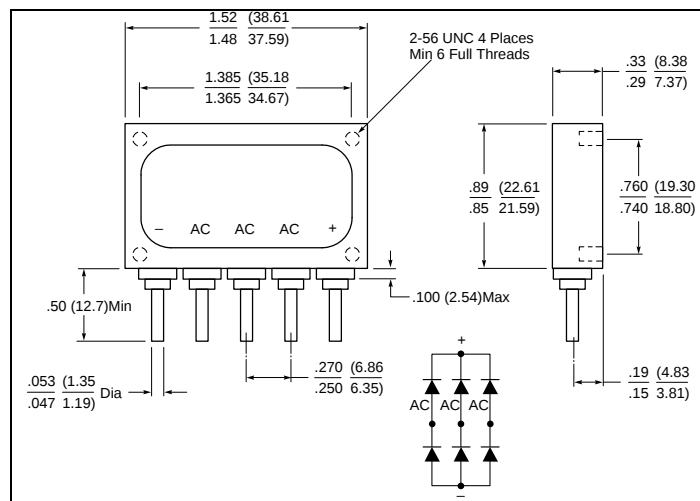


FIG. 406L

Note: Case finish - Black Anodized

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

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