

**SENSITRON**  
**SEMICONDUCTOR**

**TECHNICAL DATA**  
**DATA SHEET 367, REV A**

**SINGLE PHASE FULL WAVE  
BRIDGE RECTIFIER ASSEMBLY**

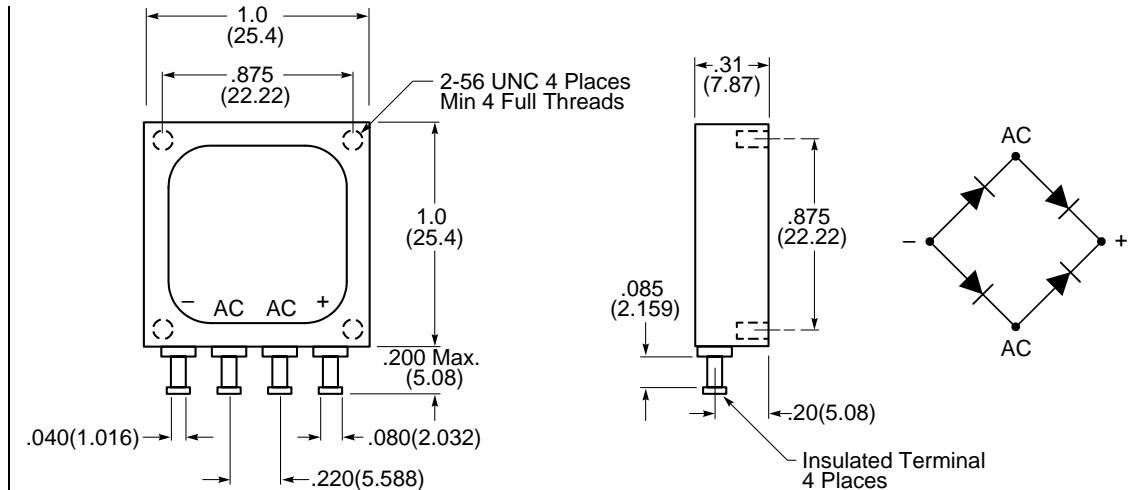
**DESCRIPTION: 600 VOLT, 12 AMP, 150 NANOSECOND SINGLE PHASE BRIDGE RECTIFIER ASSEMBLY**

**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)	-	-	-	600	Vdc
Average DC Output Current ( $I_o$ )	$T_C = 55^\circ\text{C}$ $T_C = 100^\circ\text{C}$	-	-	12 9.0	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 ( $V_f$ )	$I_f = 3.0\text{A (300 }\mu\text{sec pulse, duty cycle < 2\%)}$	-	-	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 ( $t_{rr}$ )	$I_f = 0.5\text{A, } I_r = 1.0\text{A, } I_{rr} = 0.25\text{A}$	-	-	250	nsec
Thermal Resistance ( $\theta_{JL}$ )	-	-	-	2.0	$^\circ\text{C/W}$

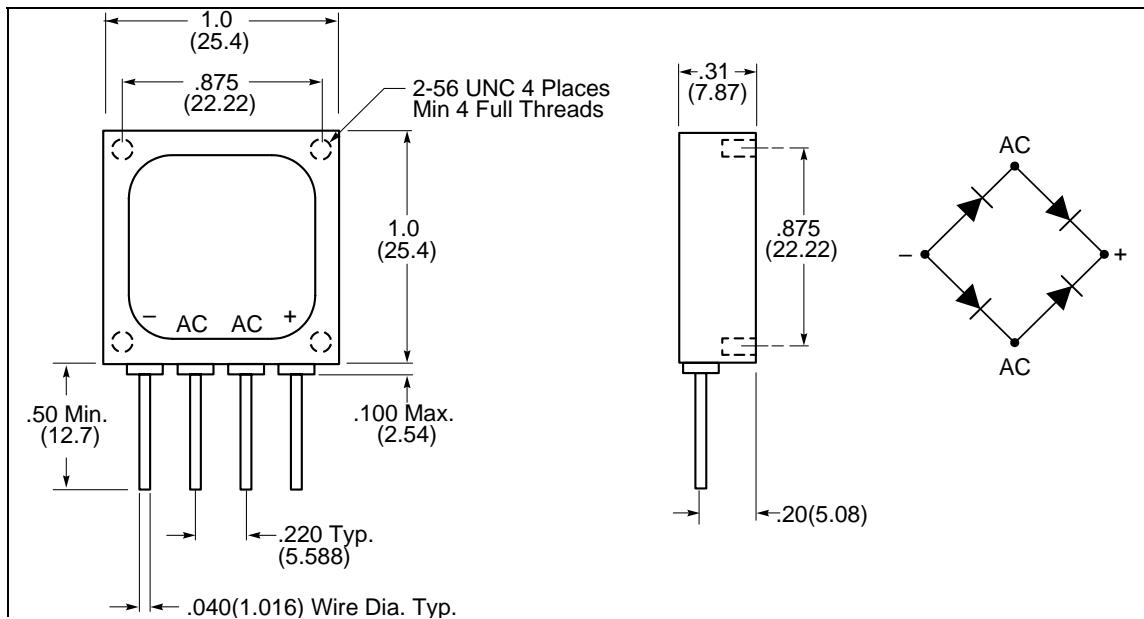
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**MECHANICAL DIMENSIONS: In Inches / mm**



**SL1560FR**

**FIG. 408**



**SL1560FRL**

**FIG. 408L**

**TECHNICAL DATA**

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