

TECHNICAL DATA DATA SHEET 367, REV B

SINGLE PHASE FULL WAVE BRIDGE RECTIFIER ASSEMBLY

DESCRIPTION: 600 VOLT, 12 AMP, 180 NANOSECOND SINGLE PHASE BRIDGE RECTIFIER ASSEMBLY

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

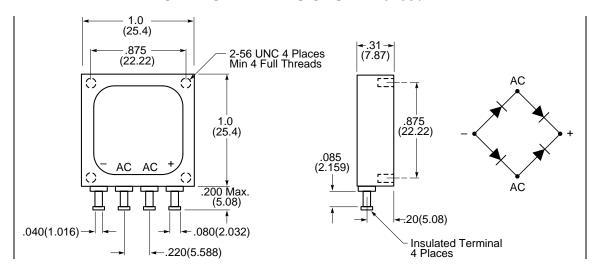
RATING	CONDITIONS	MIN	TYP	MAX	UNIT
Peak Inverse Voltage (PIV)		-	-	600	Vdc
Average DC Output Current (I _o)	$T_{C} = 55^{\circ}C$ $T_{C} = 100^{\circ}C$	-		9.0	Amps
Peak Single Cycle Surge Current (I _{fsm})	t _p = 8.3 ms Single Half Cycle Sine Wave, Superimposed On Rated Load	3		125	Amps(pk)
Operating and Storage Temp. (T _{op} & T _{stg})	-	-55	-	+150	°C
Maximum Forward Voltage (V _f)	I _f = 3.0A (300 μsec pulse, duty cycle < 2%)	-	-	1.6	Volts
Maximum Instantaneous Reverse Current At Rated (PIV)	T _A = 25° C	-	-	5.0	μAmps
	T _A = 100° C			100	
Reverse Recovery Time (t _{rr})	$I_f = 0.5A, I_r = 1.0A, I_{rr}$ = 0.25A	-	-	180	nsec
Thermal Resistance (θ_{JL})	-	-	-	2.0	° C/W

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MECHANICAL DIMENSIONS: In Inches / mm



SL1560FR

FIG. 408

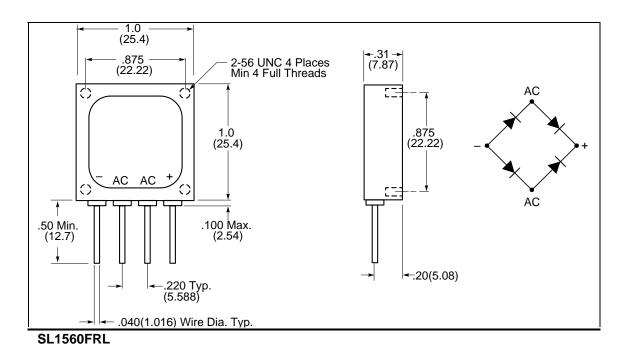


FIG. 408L

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