



**TRI-MAG, Inc.**  
*your* POWER Specialists

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# SLIM LINE

## SL375PF-1

### 370 Watts with PFC



#### DESCRIPTION

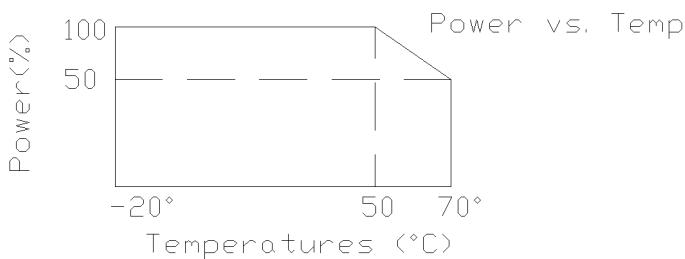
SL375PF-1 is a 370 watts, Low Profile AC to DC power supply with a built-in power factor correction circuit. All the heat generating semiconductor components are mounted on the base of heavy aluminum frame.

#### FEATURES

- EMI FCC Class B
- Power Factor Correction
- No Minimum Load Required
- Multiple Output
- Universal input 90VAC to 260VAC

#### APPLICATIONS

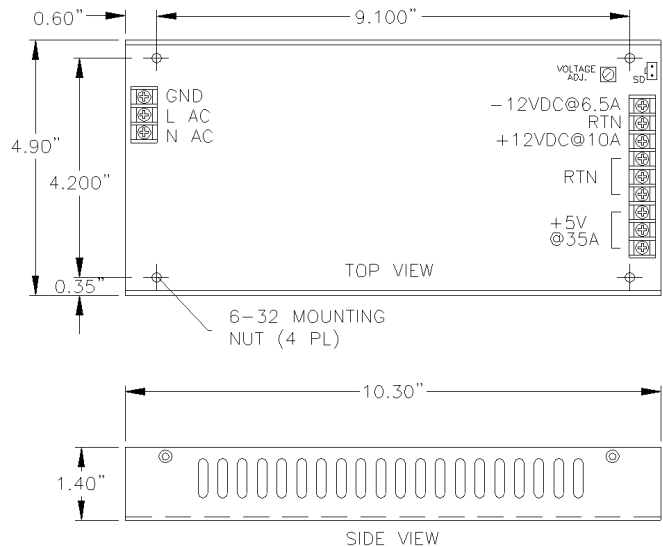
- Computer Peripherals
- Hard Disk Drives
- Tape Drives
- Test Instrumentation Product
- Data Acquisition
- Medical



#### GENERAL SPECIFICATIONS

Input Voltage..... 90VAC to 264VAC  
 Input Frequency..... 47Hz to 63Hz  
 Inrush Current (cold)..... Less than 50A at 220VAC, 25°C  
 Operating Temperature..... 0 to 40°C  
 Storage Temperature..... - 40°C to 85°C  
 Cooling..... Free Air Convection  
 Efficiency.....75% Typical  
 Holdup Time.....>20ms at 115VAC  
 Overvoltage Type..... Crowbar  
 Overload Protection..... Foldback  
 Within 150% rated load  
 Switching Frequency..... >200KHz  
 Safety:  
 Designed in full compliance with..... UL 1950  
 CSA 22.2 #234  
 VDE EN60950  
 EMI.....EN55022 "B"  
 FCC docket class "B"  
 EN61000-3-2

#### MECHANICAL SPECIFICATIONS



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**OUTPUT SPECIFICATIONS**

Model	Watts	Voltage (Vdc)	Load (A)			Tolerance ±	Ripple & Noise	Regulation	
			Min.	Rate	Peak			Line	Load
SL375PF-1	373	+5V	-	35	-	5%	50 mV	±0.1%	0.2%
		+12V	-	10	-		100 mV	±0.1%	±4%
		-12V	-	6.5	-		100 mV	±0.1%	±4%

**Note:** Contact factory for Safety Agency Approved status.

1. Each output can provide up to peak load temporarily. Continuous staying in more than rated load is not allowed.
2. At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
3. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
4. Load regulation is defined by changing ±40% of measured output load from 60% rated load.
5. The ripple and noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47µF capacitor at rated load and nominal line.
6. Hold up time is measured from the end of the last charging pulse to the time which the main output drops down to 95% output voltage at rated load and nominal line.
7. Efficiency is measured at rated load.