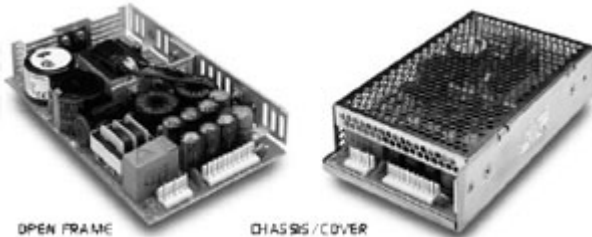


**115 WATTS****NO MINIMUM ORDER REQUIRED****SRW-115 SERIES****OUTPUT SPECIFICATIONS****Features**

- RoHS Compliant
- Universal 85-264 VAC Input
- Compact 4.25" X 7" X 1.25" Size
- 2 Year Warranty
- Fits 1U Applications
- One to Four Outputs
- EN 60950-1 ITE Certification
- Class B Emissions Per EN 55022
- Optional Chassis & Cover

**GENERAL SPECIFICATIONS****Dielectric Strength**

Reinforced Insulation 4242 VDC, Primary to Secondary, 1 Sec.

Basic Insulation 2121 VDC, Primary to Ground, 1 Sec.

Operational Insulation 500 VDC, Secondary to Ground, 1 Sec.

**Power Fail Signal (optional)** Logic low with input power failure 2mS minimum prior to output 1 dropping 1%

**Mean Time Between Failures** 150,000 Hours min., MIL-HDBK-217F, 25°C, GB

**Weight** 1.30 Lbs. Open Frame  
2.25 Lbs. Chassis and Cover

**INPUT SPECIFICATIONS**

Source Voltage	85-264 Volts AC
Frequency Range	47-63 Hz
Source Current	
True RMS	3.5A at 85V Input
Peak Inrush	40A
Efficiency	.72-.80 (Varies by model)

**ENVIRONMENTAL SPECIFICATIONS**

Ambient Operating Temperature Range	0°C to +70°C Derating: See Power Rating Chart
Ambient Storage Temp. Range	-40°C to +85°C
Temperature Coefficient	Outputs 1-4: 0.02%/°C
Conducted Emissions	EN 55022 Class B

Total Output Power at 50° C	115W
Output Voltage Centering	Output 1: +/-1.0% Output 2: +/-5.0% Output 3: +/-5.0% Output 4: +/-5.0% (All outputs at 50% load)
Source Regulation	Outputs 1-4: 0.5%
Load Regulation	Output 1: 1.0% (10-100% Load Change) Output 2: 5.0% (10-100% Load Change) Output 3: 5.0% (10-100% Load Change) Output 4: 5.0% (10-100% Load Change)
Cross Regulation	Output 2: 5.0% Output 3: 5.0% Output 4: 5.0% (Output 1 load varied 50-100%)
Output Voltage Adjust Range	Output 1: 95-105%
Output Noise	Outputs 1-4: 1.0%
Turn On Overshoot	None
Transient Response	Outputs 1-4 Voltage Deviation 5.0% Recovery Time 2mS Load Change 50% to 100%
Output Overvoltage Protection (Optional)	Output 1: 110% to 150%
Output Overpower Protection	Outputs 1-4: 110% Min Outputs cycle on/off, auto recovery
Hold Up Time	16 mS min., 115W, 120V Input
Start Up Time	1 Second

## MODEL LISTING

Model	Output 1	Output 2	Output 3	Output 4
SRW-115-4001	+5V/12A	-5V/4A	+12V/4A	-12V/2A
SRW-115-4002	+5V/12A	+24V/1A	+12V/4A	-12V/2A
SRW-115-4003	+5V/12A	-5V/4A	+15V/3A	-15V/2A
SRW-115-4004	+5V/12A	+24V/1A	+15V/3A	-15V/2A
SRW-115-4005	+5V/12A	+12V/1A	+24V/3A	-12V/1A
SRW-115-4006	+5V/12A	+12V/3A	+15V/2A	-15V/2A
SRW-115-4007	+5V/12A	+12V/2.5A	+24V/2A	-5V/1A
SRW-115-4008	+24V/2A	+5V/3A	+5V/2A	-24V/2A
SRW-115-4011	+5V/5A	+15V/1A	+24V/5A	-15V/1A
SRW-115-4012	+5V/5A	+12V/1A	+24V/3A	-12V/1A
SRW-115-4013	+5V/13A	+5V/5A	+12V/3A	-5V/3A
SRW-115-4014	+3.3V/12A	+5V/4A	+15V/3A	-15V/2A
SRW-115-4015	+3.3V/12A	+5V/4A	+12V/4A	-12V/2A
SRW-115-4016	+5.2V/12A	-2V/9A	12V/4A	-12V/2A
SRW-115-4017	5V/8A	19V/1A	19V/2A	54.5V/.5A
SRW-115-4019	15V/3A	-15V/2A	+24V/2A	3.3V/1A
SRW-115-4020	15V/3A	-15V/2A	+36V/1.5A	3.3V/1A
SRW-115-4102	5V/12A	12V/2A	+12V/4A	-12V/2A
SRW-115-3001	+5V/12A		+12V/4A	-12V/3A
SRW-115-3002	+5V/12A		+15V/4A	-15V/2A
SRW-115-3003	+5V/12A		+24V/3A	-12V/1A
SRW-115-3004	+5V/12A	+24V/1A	+12V/6A	
SRW-115-3005	+15V/3A	-15V/2A	+24V/2A	
SRW-115-3006	+15V/3A	-15V/2A	+36V/1.5A	
SRW-115-3007	+15V/14A	-5V/4A	+12V/4A	
SRW-115-2001	+5V/12A		+24V/3A	
SRW-115-2002	+12V/5A			-12V/5A
SRW-115-2003	+15V/5A			-15V/5A
SRW-115-2004	+24V/2.5A			-24V/2.5A
SRW-115-2005	+5V/12A		+15V/5A	
SRW-115-2006	+5V/12A		+12V/5A	
SRW-115-2007	+17V/3.4A			-17V/3.4A
SRW-115-2008	+9.25V/6A			-9.25V/6A
SRW-115-2010	+7.5V/10A			-7.5V/6A
SRW-115-2011	+28V/2A			-28V/2A
SRW-115-2012	+12V/8A			12V/2A

## Notes

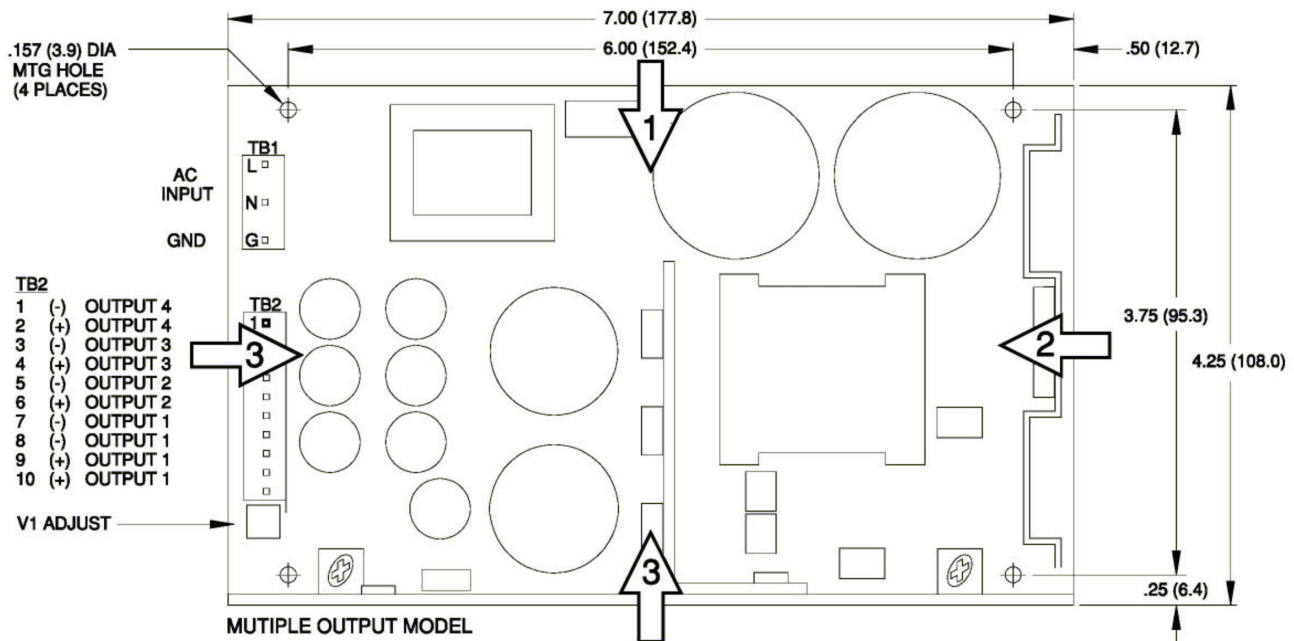
Consult factory for alternate output configurations.  
 Consult factory for positive, negative or floating outputs.  
 Refer to Application Information for complete output power ratings.  
 All specifications are maximum at 25° C unless otherwise stated and are subjected to change without notice.  
 Specify optional chassis and cover, power fail, overvoltage protection or DC Input when ordering.  
 TUV only: SRW-115-3004, SRW-115-3005, SRW-115-3006, SRW-115-4016, SRW-115-4019, SRW-115-4020

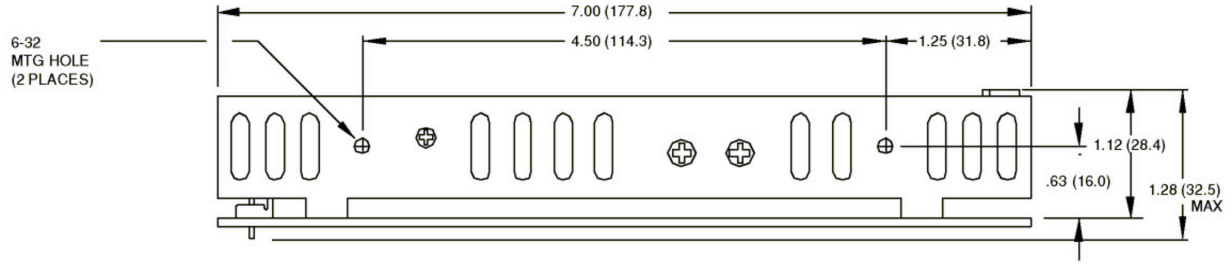
## SAFETY SPECIFICATIONS

General	Protection Class:	I
	Overvoltage Category:	II
	Pollution Degree:	2
Underwriters Laboratories File E137708	UL 60950-1 First Edition	
UL Recognition Mark for Canada File E137708	CAN/CSA-C22.2 No. 60950-1-03	
TUV	EN 60950-1:2001	
	Low Voltage Directive	
	CB Report per IEC 60950-1(2001) First Edition All National Deviations	

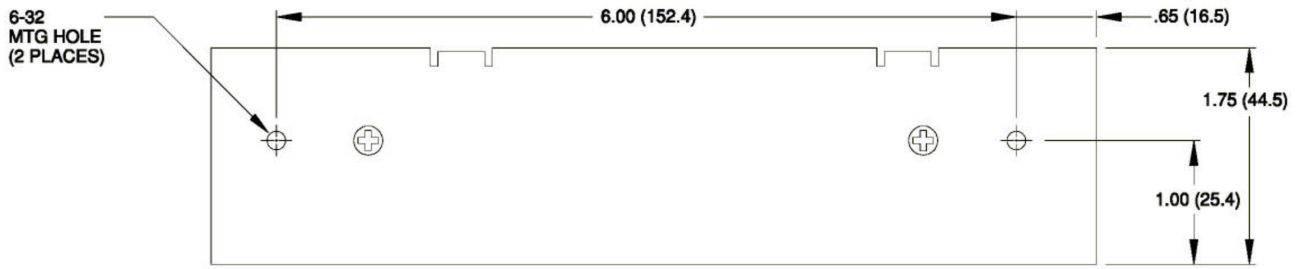
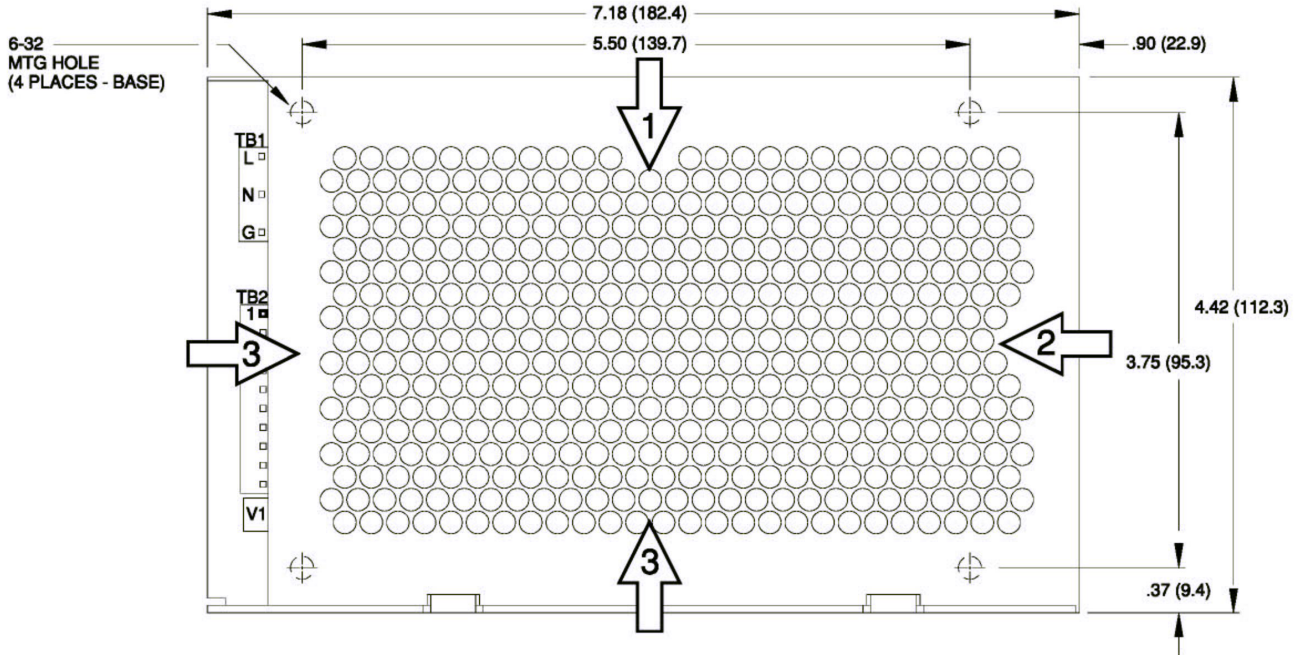
## SRW-115 SERIES MECHANICAL SPECIFICATIONS

### OPEN FRAME





**OPTIONAL CHASSIS/COVER**

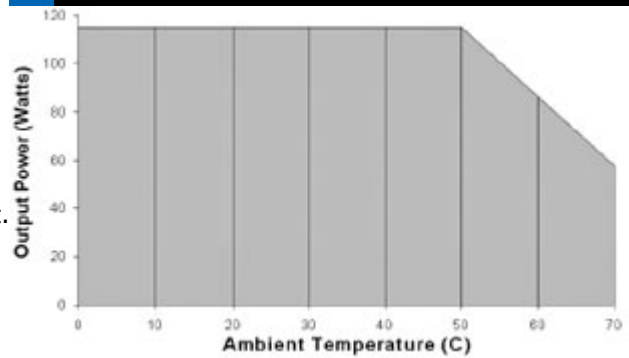


ALL DIMENSIONS IN INCHES (MM)

## APPLICATIONS INFORMATION

1. Each output can deliver its rated load but total output power must not exceed 115 watts.
2. Semiconductor case temperatures must not exceed 110° C.
3. Sufficient area must be provided around the convection cooled power supplies to allow natural movement of air to develop.
4. This product is intended for use as professionally installed component within information technology and medical equipment.
5. A minimum load of 20% is required on output one to insure proper regulation of remaining outputs.
6. Peak to peak output ripple and noise is measured directly at the output terminals of the power supply, without the use of the probe ground lead or retractable tip, 20 MHz bandwidth.
7. This product was type tested and safety certificated using the the dielectric strength test voltages listed in Table 5B of UL 60950-1. In consideration of clause 5.2.2, care must be taken to insure the voltage applied to a reinforced insulation does not over stress basic insulation. Secondary to ground capacitors may need to be removed prior to performing a dielectric strength type test on the end product. It is highly recommended that the DC test voltages listed in DVB.1. Annex DVB are not exceeded during a production-line dielectric strength test of the assembled end product. Please consult factory for further information.
8. This power supply has been safety approved and final tested using a DC dielectric strength test. Please consult factory before performing an AC dielectric strength test.
9. Maximum screw penetration into chassis mounting holes is .250 inches.

## Maximum Output Power vs. Ambient Temperature



## CONNECTOR SPECIFICATIONS

TB1	AC Input	.156 friction lock header mates with Molex 09-50-3051 or equivalent crimp terminal housing with Molex 08-50-0189 or equivalent crimp terminal.
TB2	DC Output	.156 friction lock header mates with Molex 09-50-3101 or equivalent crimp terminal housing with Molex 08-50-0189 or equivalent crimp terminal.
		power fail signal
TB2-7,8		power fail signal return

## RECOMMENDED AIR FLOW DIRECTION

- 1.Optimum
- 2.Good
- 3.Fair