

**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**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****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**

| 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

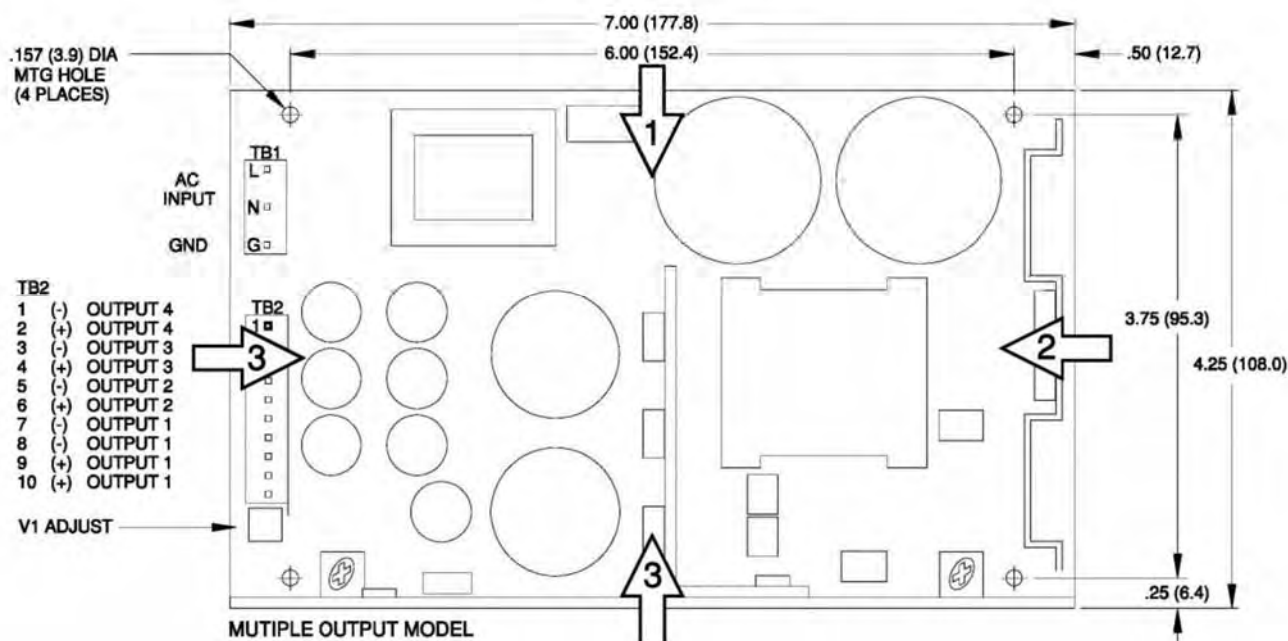
 Low Voltage Directive

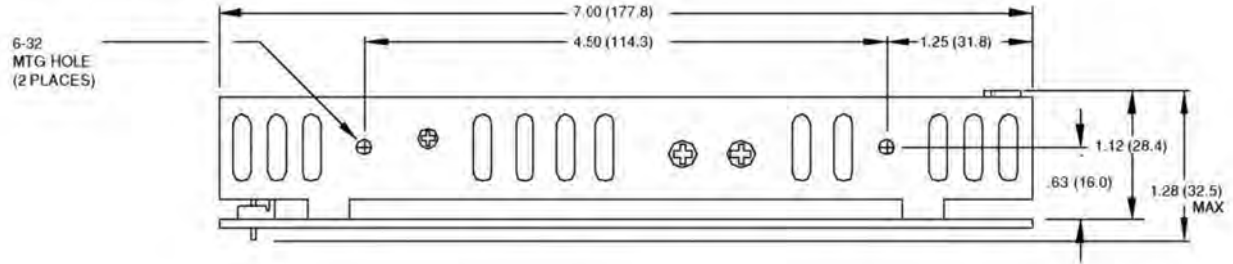
CB Report per IEC 60950-1(2001)  
First Edition  
All National Deviations



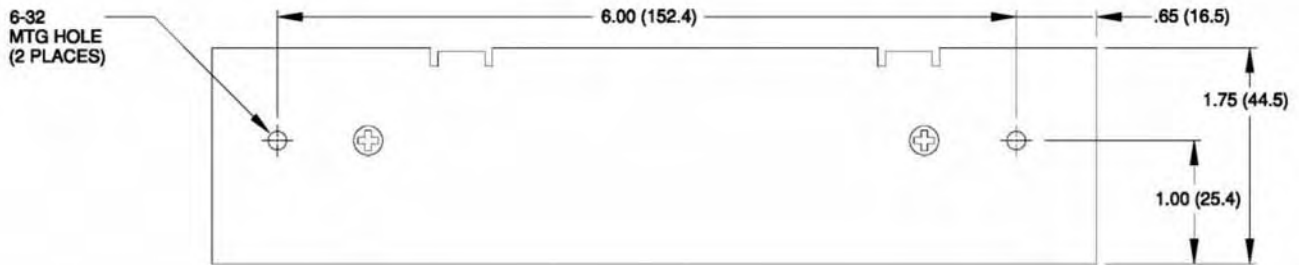
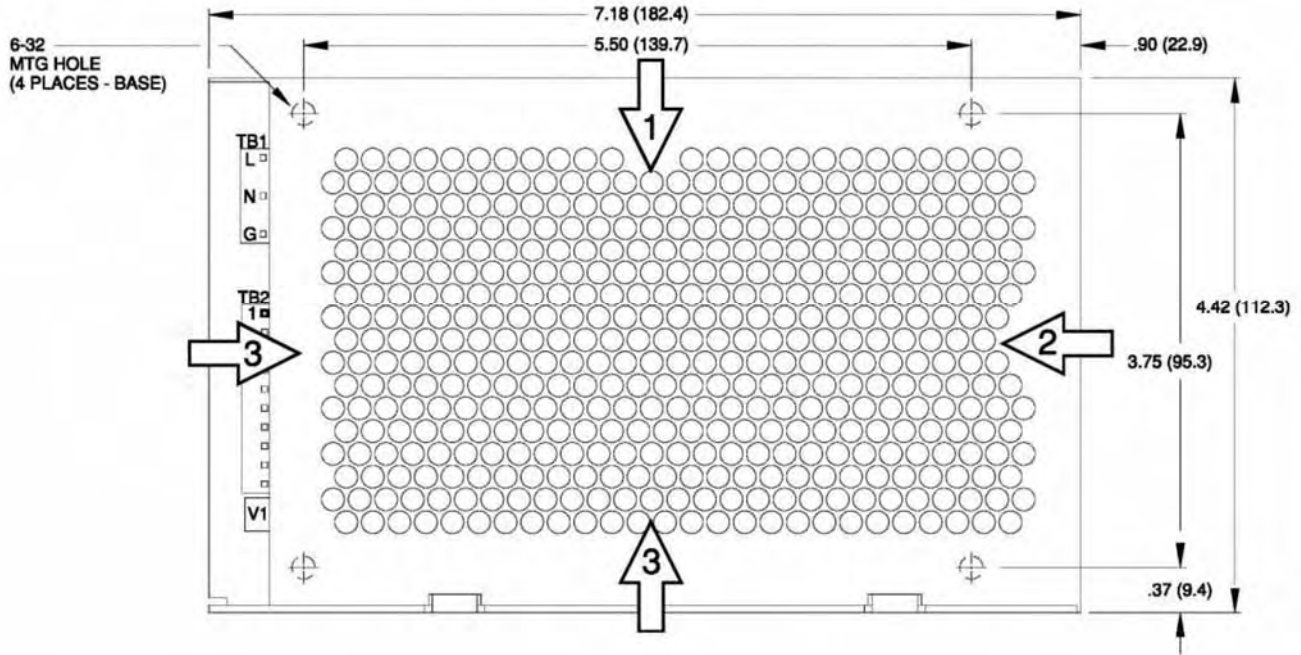
## SRW-115 SERIES MECHANICAL SPECIFICATIONS

### OPEN FRAME





### OPTIONAL CHASSIS/COVER

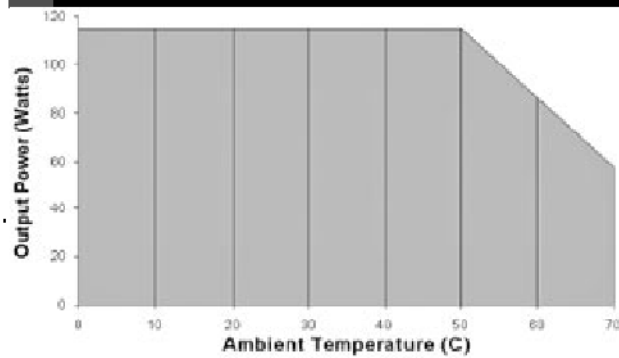


ALL DIMENSIONS IN INCHES (MM)

## 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