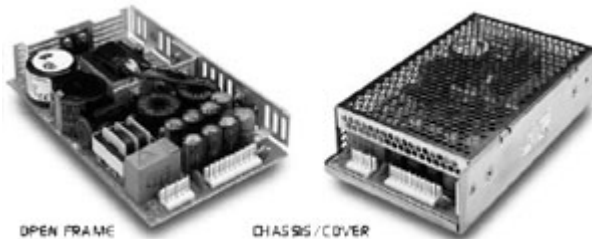


115 WATTS**NO MINIMUM ORDER REQUIRED****SRW-115 SERIES****OUTPUT SPECIFICATIONS****Features**

- Universal 85-264 VAC Input
- High Efficiency
- Compact 4025" X 7" X 1.25" Size
- 2 Year Warranty
- Fits 1U Applications
- One to Four Outputs
- EN 60950 ITE Certification
- Class B Emissions Per EN 55022
- Optional Chassis & Cover



OPEN FRAME

CHASSIS/COVER

Total Output Power at 50° C	110W
Output Voltage Centering	Output 1: +/-1.0% Output 2: +/-5.0% Output 3: +/-5.0% Output 4: +/-5.0% (All outputs at 50% rated 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 1 load varied 50-100% Output 3: 5.0% Output 4: 5.0%
Output Voltage Adjust Range	Output 1: 95-105%
Output Noise	Outputs 1-4: 1%
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

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	En55022 Class B

ELECTROMAGNETIC COMPATIBILITY

Electrostatic Discharge	EN 61000-4-2	+/-8kV Contact Discharge +/-8kV Air Discharge
Radiated Electro-magnetic Field	EN 61000-4-3	80MHz-2.5GHz, 10V/m, 80% AM
EFT/Bursts	EN 61000-4-4	+/-2kV
Surges	EN 61000-4-5	+/-1 kV Differential Mode +/-2 kV Common Mode
Conducted Immunity	EN 61000-4-6	.15-80MHz., 10V, 80% AM
Voltage Dips and Interruptions	EN 61000-4-11	30% Reduction 95% Reduction 60% Reduction 95% Reduction
Radiated Emissions	EN 55011/22	Class B
Conducted Emissions	EN 55011/22	Class B
Harmonic Current Emissions	EN 61000-3-2	
Voltage Fluctuations and Flicker	EN 61000-3-3	

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/12A	+5V/3A	+5V/2A	-24V/2A
SRW-115-4011	+5V/5A	+15V/1A	+24V/5A	-15V/1A
SRW-115-4013	+5V/13A	+5V/5A	+12V/3A	-5V/3A
SRW-115-4012	+5V/5A	+12V/1A	+24V/3A	-12V/1A
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	+12V/4A	-12V/2A	-2V/9A
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/25A
SRW-115-3001	+5V/12A		+12V/4A	-12V/2A
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-115-4016, SRW-115-4019, SRW-115-4020

UL, CUL only: SRW-115-2011, SRW-115-4007, SRW-115-4008, SRW-115-4012

SAFETY SPECIFICATIONS

General	Protection Class:	I
	Overvoltage Category:	II
	Pollution Degree:	2



Underwriters
Laboratories
File E137708

UL 60950, Third Edition



UL Recognition Mark for CAN/CSA-C22.2 No. 60950:00
Canada
File E137708



TUV

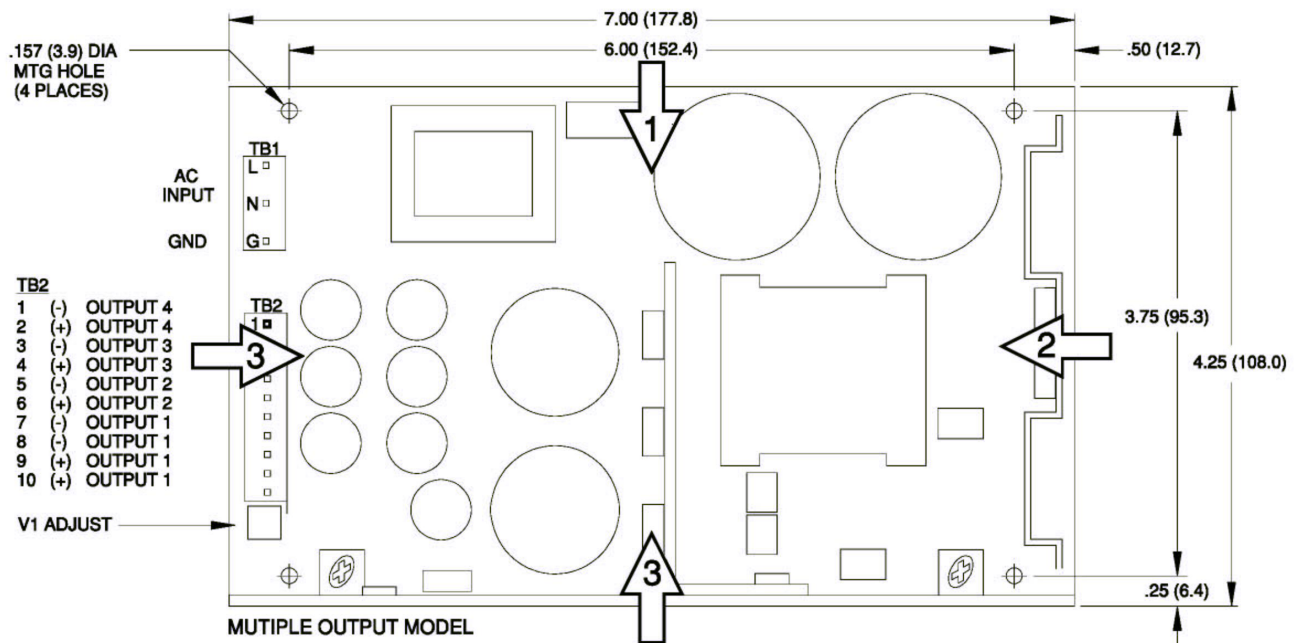
EN 60950:2000

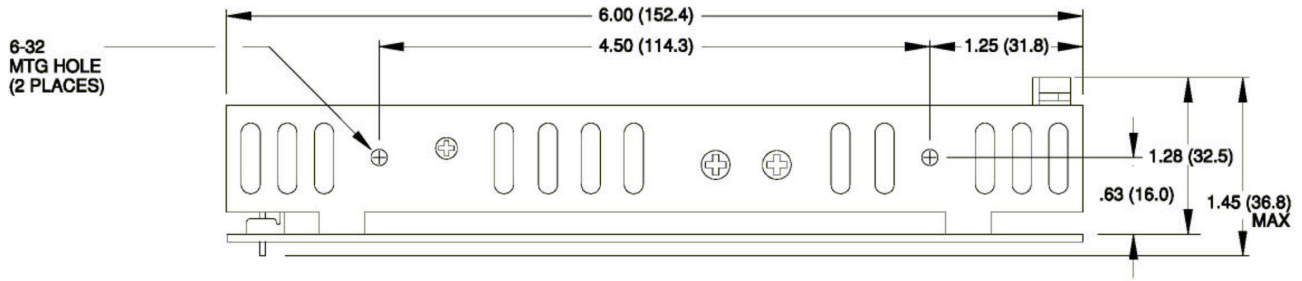


Low Voltage Directive
CB Report per IEC 950(1991)
Second Edition A1, A2 and
All national deviations

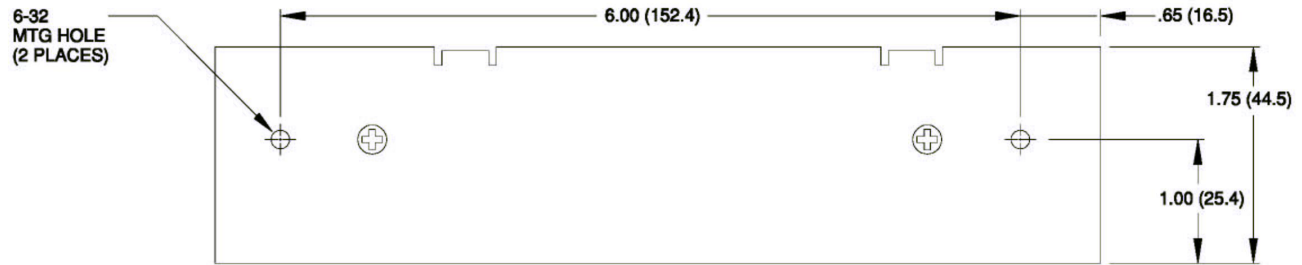
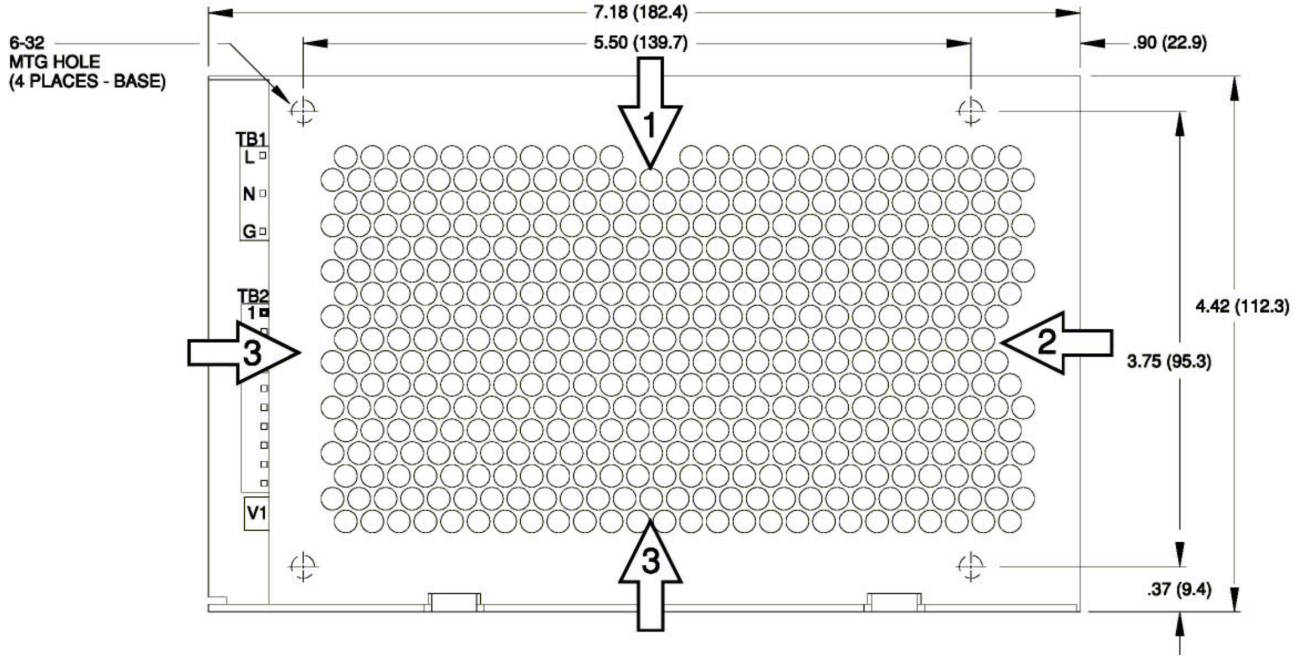
SRW-115 SERIES MECHANICAL SPECIFICATIONS

OPEN FRAME





OPTIONAL CHASSIS/COVER

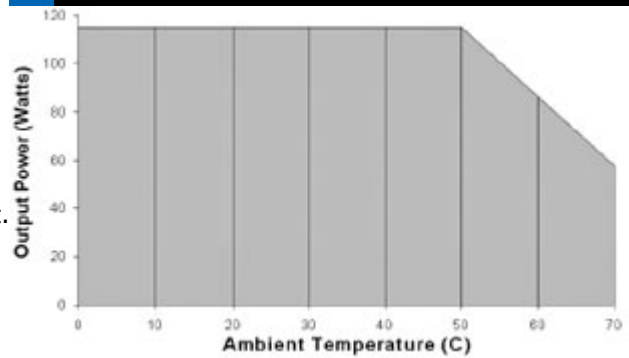


ALL DIMENSIONS IN INCHES (MM)

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 V of UL 60601-1. In consideration of clause 20.4g, 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.
TB1	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