

45 WATTS**NO MINIMUM ORDER REQUIRED****SRW-45 SERIES****OUTPUT SPECIFICATIONS****Features**

- Universal 85-264 VAC Input
- High Efficiency
- Advanced SMT Design
- Compact 3" X 5" X 1.1" Size
- Class B Emissions Per EN 55022
- 2 Year Warranty
- Fits 1U Application
- EN 60950 ITE Certification
- One to Four Outputs
- Optional Chassis & Cover

**OPEN FRAME****CHASSIS / COVER**





Total Output Power	45 W
Output Voltage	Output 1: +/-0.25%
Centering	Output 2: +/-5.00%
	Output 3: +/-3.00%
	Output 4: +/-3.00%
	(All outputs at 50% rated load)
Source Regulation	Outputs 1-4: 0.5%
Load Regulation	Output 1: 0.5% (20-100% Load Change)
	Output 2: 5.0% (30-70% Load Change)
	Output 3: 2.0% (10-100% Load Change)
	Output 4: 2.0% (10-100% Load Change)
Cross Regulation	Output 2: 5.0%
	Output 3: 2.0%
	Output 4: 2.0%
	(Output 1 load varied 50-100%)
Output Voltage Adjust	Output 1: 95% to 105% Range
Output Noise	Outputs 1-4: 1%
Turn On Overshoot	None
Transient Response	Outputs 1-4
Volt. Deviation	5%
Recovery Time	2 mS
Load Change	50% To 100%
Output Overvoltage Protection (Optional)	Output 1: 110% to 150%%
Output Overpower Protection	Output 1-4 110% Min. Outputs cycle on/off, auto recovery
Hold Up Time	16 mS Min, 45 W Output 120 V Inputt
Start Up Time	1 Second

INPUT SPECIFICATIONS

Source Voltage	85-264 Voltage AC
Frequency Range	47-63 Hz
Source Current	
True RMS	1A At 85V Inputut
Peak Inrush	40A
Efficiency	.68 -.72 (Varies by model)

ENVIRONMENTAL SPECIFICATIONS

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

SAFETY SPECIFICATIONS		GENERAL SPECIFICATIONS	
General	Protection Class: I	Dielectric Strength	Reinforced Insulation 4242 VDC, Primary to Secondary, 1 Sec.
	Overvoltage Category: II		Basic Insulation 2121 VDC, Primary to Ground, 1 Sec.
	Pollution Degree: 2		Operational Insulation 500 VDC, Secondary to Ground, 1 Sec.
 Underwriters Laboratories File E137708	UL 60950, Third Edition	Mean Time Between Failures	150,000 Hours min., MIL-HDBK-217F, 25°C, GB
 UL Recognition Mark for Canada File E137708	CAN/CSA-C22.2 No. 60950:00	Weight	1.00 Lbs. Chassis and Cover 0.50 Lbs. Open Frame
 TUV	EN 60950:2000		
	Low Voltage Directive		

MODEL LISTING				
Model	Output 1	Output 2	Output 3	Output 4
SRW-45-4001	+5V/5A	-5V/2A	+12V/0.7A	-12V/0.7A
SRW-45-4002	+5V/5A	-5V/2A	+15V/0.7A	-15V/0.7A
SRW-45-4003	+5V/5A	+24V/1A	+12V/0.7A	-12V/0.7A
SRW-45-4004	+5V/5A	+24V/1A	+15V/0.7A	-15V/0.7A
SRW-45-4005	+5V/5A	+24V/1A	-12V/0.7A	-5V/0.7A
SRW-45-4006	+5V/5A	+15V/2A	+15V/0.7A	-15V/0.7A
SRW-45-4007	8V/2A	8V/0.5A	18V/0.7A	18V/0.7A
SRW-45-4008	+3.3V/5A	+3.3V/3A	5V/3A	12V/0.7A
SRW-45-4009	+5V/5A	+27V/1A	+15V/0.7A	-15V/0.7A
SRW-45-4010	+5V/5A	+32V/1A	+15V/.7A	-15V/.7A
SRW-45-4011	+5V/5A	+24V/1A	+15V/0.7A	-15V/0.7A
SRW-45-4012	+5V/5A	+12V/3A	9V/1A	-12V/0.7A
SRW-45-4013	+8V/2A	-8V/0.5A	+15V/0.7A	-15V/0.7A
SRW-45-3001	+5V/5A	+12V/3A		-12V/0.7A
SRW-45-3002	+5V/5A	+15V/2A		-15V/0.7A
SRW-45-3003	+5V/5A	+24V/1.5A		-12V/0.7A
SRW-45-3004	+5V/5A	+9V/3A		-12V/0.7A
SRW-45-3005	+5V/5A	+18V/2A		-18V/0.7A
SRW-45-3006	+5V/5A	+15V/2.5A	-15V/2.5A(5)	
SRW-45-3007	+5V/5A	24V/1.8A		-5V/0.7A
SRW-45-2001	+5V/5A	+12V/3A		
SRW-45-2002	+5V/5A	-5V/4A		
SRW-45-2003	+5V/5A	+24V/1.5A		
SRW-45-2004	+12V/3A	-12V/2A		
SRW-45-2005	+15V/2.5A	-15V/2A		
SRW-45-2007	+18V/1.5A	-18V/1A(5)		
SRW-45-2008	+5V/5A	+13V/3A		
SRW-45-2009	+5V/2.5A	+21V/1A		
SRW-45-2010	+5V/5A	-5V/4A		
SRW-45-2011	+5V/5A	-5V/4A		
SRW-45-1001	5V/9A			
SRW-45-1002	12V/4A			
SRW-45-1003	15V/3A			
SRW-45-1004	24V/2A			
SRW-45-1006	13.8V/3.3A			

Notes

Consult factory for alternate output configuration.

Consult factory for positive, negative or floating output 2.

Refer to Application Information for complete output power ratings.

All specifications are maximum at 25C unless otherwise stated and are subjected to change without notice.

Specify optional chassis and cover, overvoltage protection or DC Input when ordering.

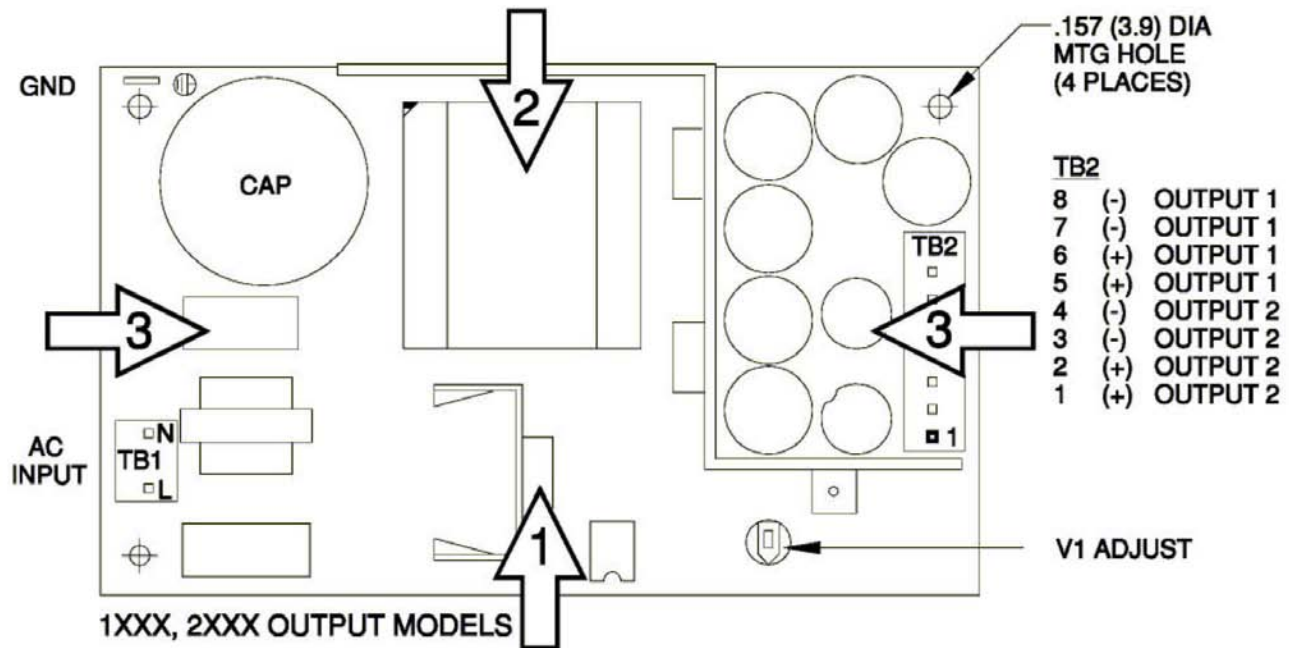
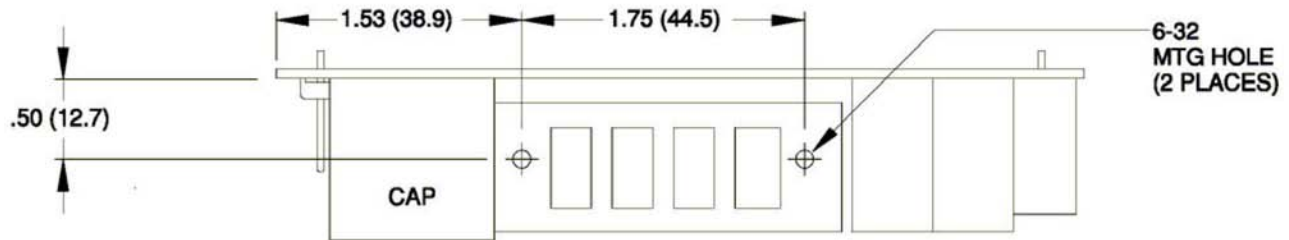
Centering, load regulation and cross regulation are rated at 5% on output 3 for models SRW-45-3006 and SRW-45-4008.

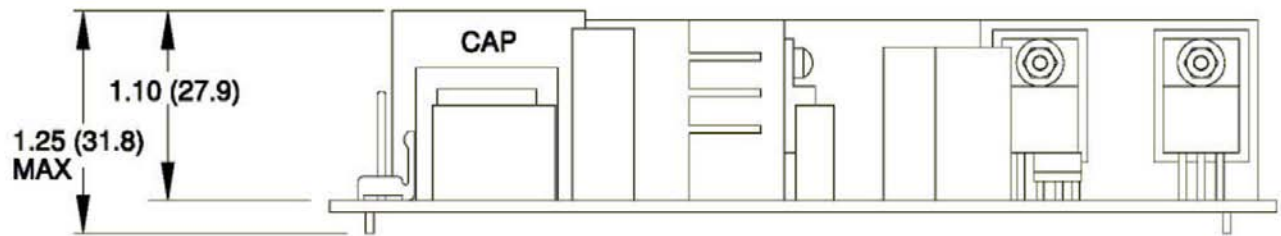
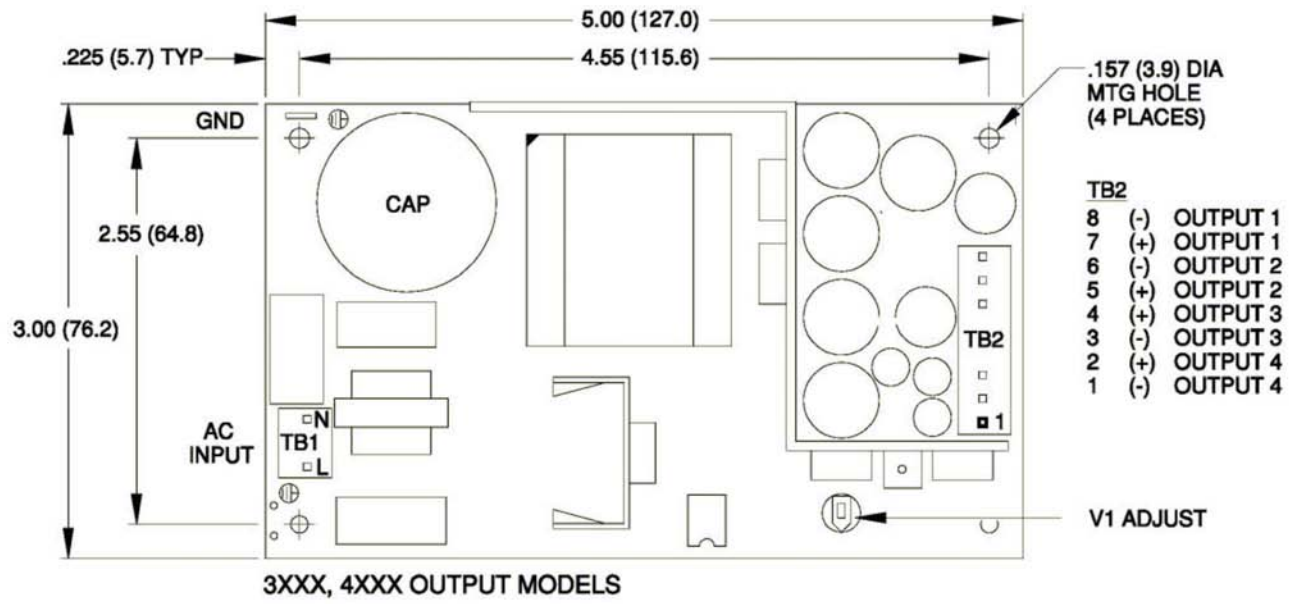
TUV only: SRW-45-3006, SRW-45-4010

UL, CUL only: SRW-45-4011

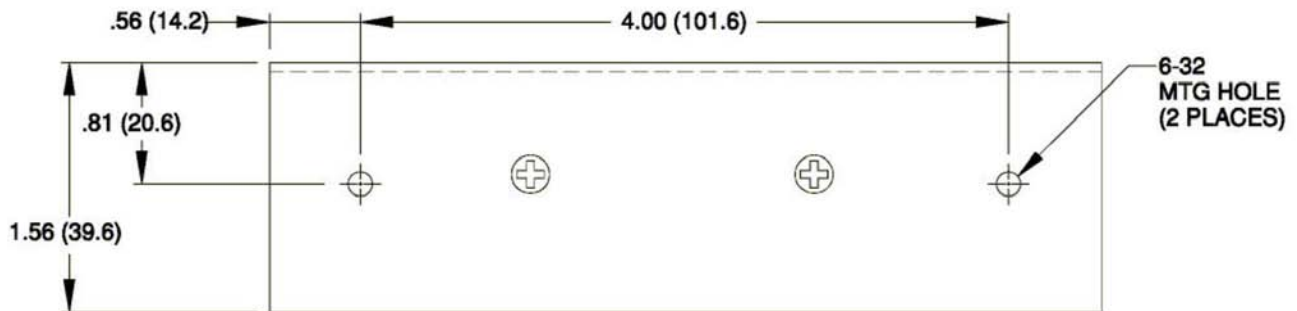
SRW-45 SERIES MECHANICAL SPECIFICATIONS

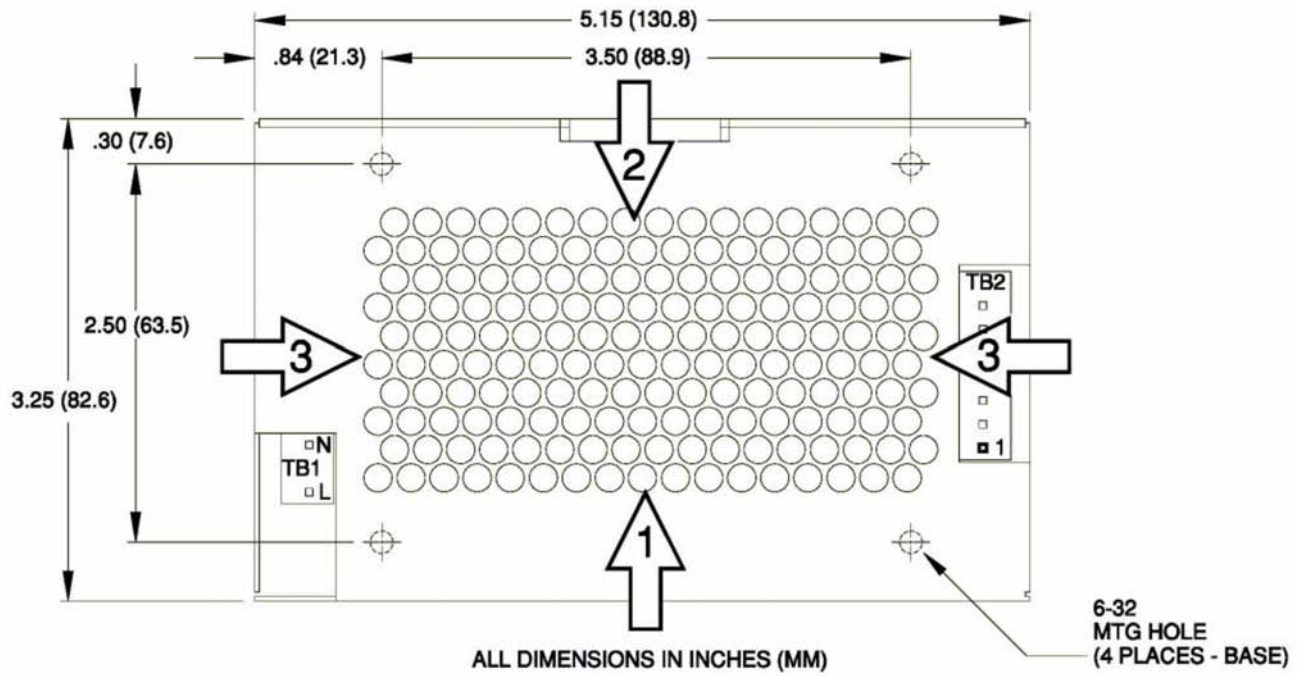
OPEN FRAME





OPTIONAL CHASSIS/COVER

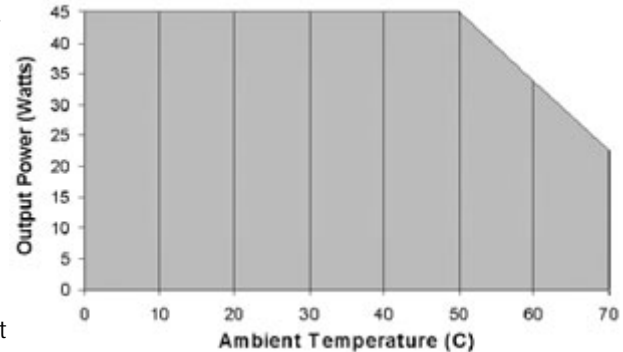




APPLICATIONS INFORMATION

1. Each output can deliver its rated current but total output power must not exceed 45 watts.
2. Semiconductor case temperature must not exceed 110 C
3. Sufficient area must be provided around convection cooled power supplies to allow natural movement of air develop.
4. This product is intended for use as a professionally installed component within information technology and medical equipment.
5. A minimum load of 10% 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 60950. 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 be used when performing 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 AC dielectric strength test.
9. Maximum screw penetration into mounting holes is .250 inches

Maximum Output Power vs. Ambient Temperature



CONNECTOR SPECIFICATIONS

- | | | |
|-----|-----------|--|
| TB1 | AC Input | .156 friction lock header mates with Molex 09-50-3031 or equivalent crimp terminal housing with Molex 08-50-0189 or equivalent crimp terminal. |
| TB2 | DC Output | .156 friction lock header mates with Molex 09-50-3081 or equivalent crimp terminal housing with Molex 08-50-0189 or equivalent crimp terminal. |
| G | Ground | .187 quick disconnect terminal. |

RECOMMENDED AIR FLOW DIRECTION

1. Optimum
2. Good
3. Fair