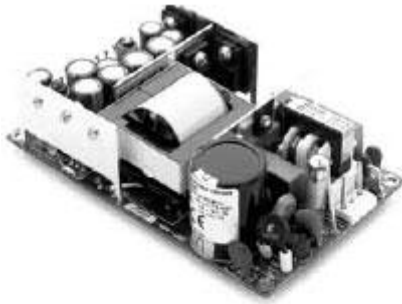


40 WATTS**NO MINIMUM ORDER REQUIRED****SRP-40A SERIES****OUTPUT SPECIFICATIONS****Features**

- RoHS Compliant
- Universal 85-264 VAC Input
- Advanced SMT Design
- Compact 2.5" X 4.25" X 1.2" Size
- Class B Emissions Per EN 55011/22
- EMC to EN 61000-6-2 & EN 60601-1-2
- 2 Year Warranty
- Fits 1U Application
- EN 60950 ITE Certification
- EN 60601-1 Medical Certification
- Optional Chassis & Cover
- One to Four Outputs

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






Total Output Power	40 W (33W, 1001)
Output Voltage	Output 1: +/-0.25%
Centering	Output 2: +/-5.0%
	Output 3: +/-3.0%
	Output 4: +/-3.0%
	(All outputs at 50% load)
Source Regulation	Outputs 1-4: 0.5%
Load Regulation	Output 1: 0.5% (10-100% Load Change)
	Output 2: 5.0% (30-100% Load Change)
	(2003, 4002) 7.0% (30-100% Load Change)
	Output 3: 0.5% (10-100% Load Change)
	Output 4: 0.5% (10-100% Load Change)
Cross Regulation	Output 2: 5.0%
	Output 3: 0.5%
	Output 4: 0.5%
	(Output 1 load varied 50-100%)
Output Voltage Adjust Range	Output 1: 95% to 105%
Output Noise	Outputs 1-4: 1.0%
Turn On Overshoot	None
Transient Response	Outputs 1-4
Volt. Deviation	5.0%
Recovery Time	2 mS
Load Change	50% To 100%
Output Overvoltage Protection	Output 1: 110% to 150%
Output Overpower Protection	Output 1&2 110% Min. Outputs cycle on/off, auto recovery
Output Overcurrent Protection	Output 3&4 110% Min.
Hold Up Time	10 mS Min, 40 W Output 120 V Input
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 Input
Peak Inrush	30A
Efficiency	.66 -.80 (Varies by model)

ENVIRONMENTAL SPECIFICATIONS

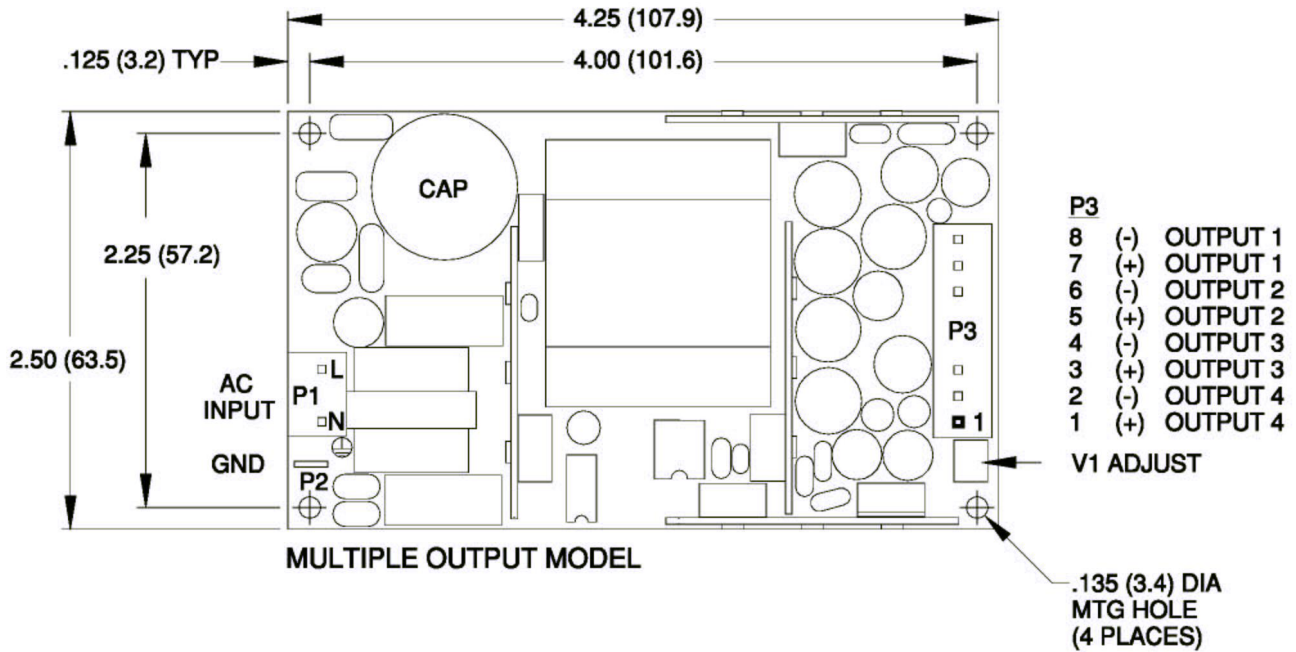
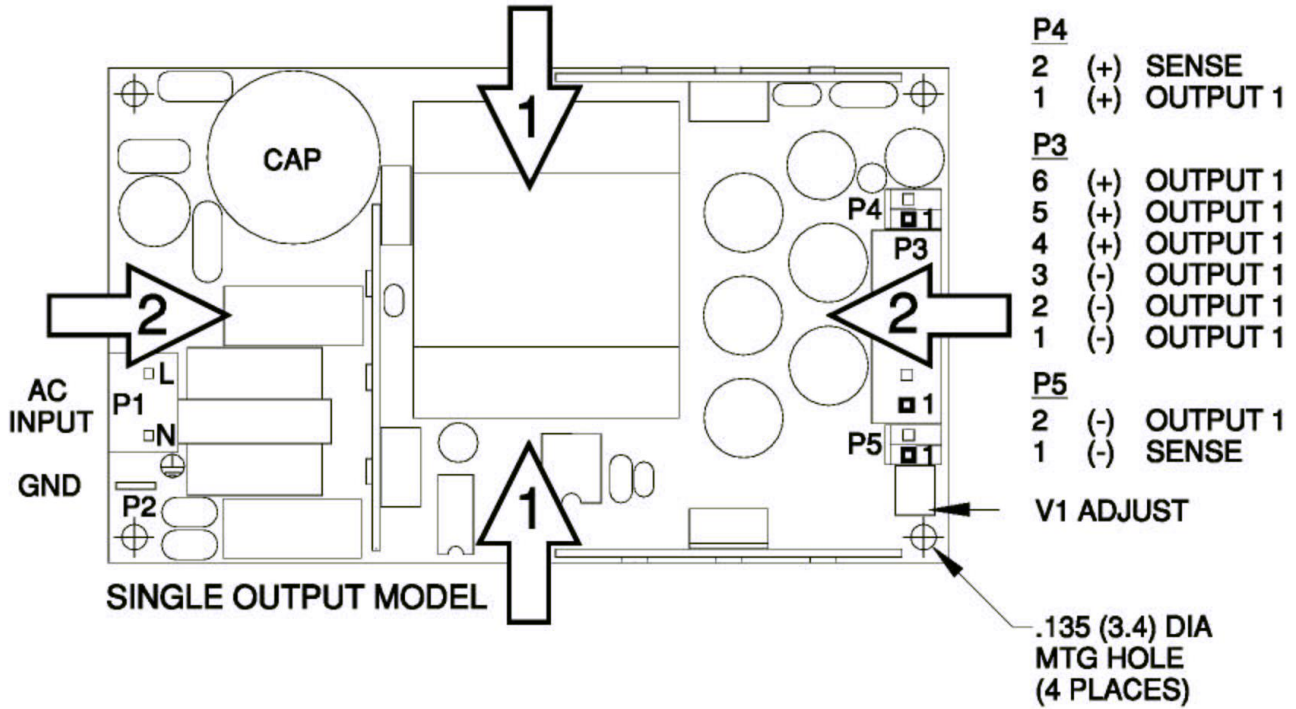
Ambient Operating Temperature Range	0°C to +70°C Derating: See Power Rating Chart
Ambient Storage Temperature Range	-40°C to +85°C
Temperature Coefficient	Outputs 1-4: 0.02%/°C

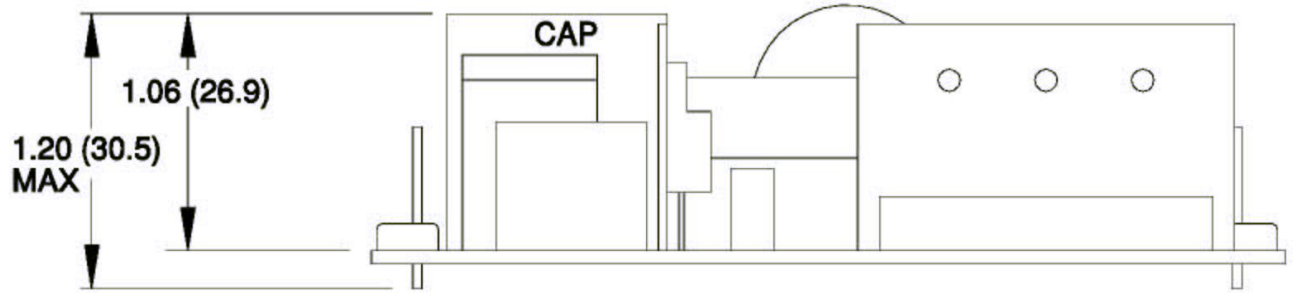
SAFETY SPECIFICATIONS		GENERAL SPECIFICATIONS	
General	Protection Class: I	Dielectric Strength	Reinforced 5656 VDC, Primary to Insulation Secondary, 1 Sec. Basic Insulation 2121 VDC, Primary to Ground, 1 Sec.
	Overtoltage Category: II	Operational Insulation	707 VDC, Secondary to Ground, 1 Sec.
	Pollution Degree: 2	Leakage Current	<300 μ A Earth Leakage Current
 Underwriters Laboratories File E137708/E140259	UL 60950-1 First Edition UL 60601 - 1 First Edition	Mean Time Between Failures	100,000 Hours min., MIL-HDBK-217F, 25°C, GB
	CB Report Per IEC 60950-1(2001) First Edition All National Deviations CB Report Per IEC 60601-1(1988) First Edition, A1, A2	Weight	0.85 Lbs. Chassis and Cover 0.49 Lbs. Open Frame
 UL Recognition Mark for Canada File E137708/E140259	CAN/CSA-C22.2 No. 60950-1-03 CAN/CSA-C22.2 No. 601-1-M90 with updates 1 and 2	ELECTROMAGNETIC COMPATIBILITY	
	TUV EN 60950-1:2001 EN 60601-1/A2: 1995	Electrostatic Discharge	EN 61000-4-2 +/-8kV Contact Discharge +/-8kV Air Discharge
	Low Voltage Directive	Radiated Electro-magnetic Field	EN 61000-4-3 80MHz-2.5GHz, 10V/m, 80% AM
Notes		EFT/Bursts	EN 61000-4-4 +/-2kV
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 when ordering.		Surges	EN 61000-4-5 +/-1 kV Differential Mode +/-2 kV Common Mode
TUV only: SRP-40A-3003		Conducted Immunity	EN 61000-4-6 .15-80MHz., 10V, 80% AM
		Voltage Dips and Interruptions	EN 61000-4-11 30% Reduction, 500ms 95% Reduction, 10ms 60% Reduction, 1s (Criteria B) 95% Reduction, 5000ms
		Radiated Emissions	EN 55011/22 Class B
		Conducted Emissions	EN 55011/22 Class B

MODEL LISTING					
Model	Output 1	Output 2	Output 3	Output 4	Max Power
SRP-40A-4001	+3.3V/5A	+5V/3A	+12V/.7A	-12V/.7A	40W
SRP-40A-4002	+5V/5A	+3.3V/3A	+12V/.7A	-12V/.7A	40W
SRP-40A-4003	+5V/5A	-5V/3A	+12V/.7A	-12V/.7A	40W
SRP-40A-4004	+5V/5A	-5V/3A	+15V/.7A	-15V/.7A	40W
SRP-40A-4005	+5V/5A	+24V/1.5A	+12V/.7A	-12V/.7A	40W
SRP-40A-4006	+5V/5A	+24V/1.5A	+15V/.7A	-15V/.7A	40W
SRP-40A-4007	+3.3V/3.1A	+5V/1.25A	-24V/.27A	-51.6V/.25A	40W
SRP-40A-3001	+5V/5A	+12V/2A	-12V/.7A		40W

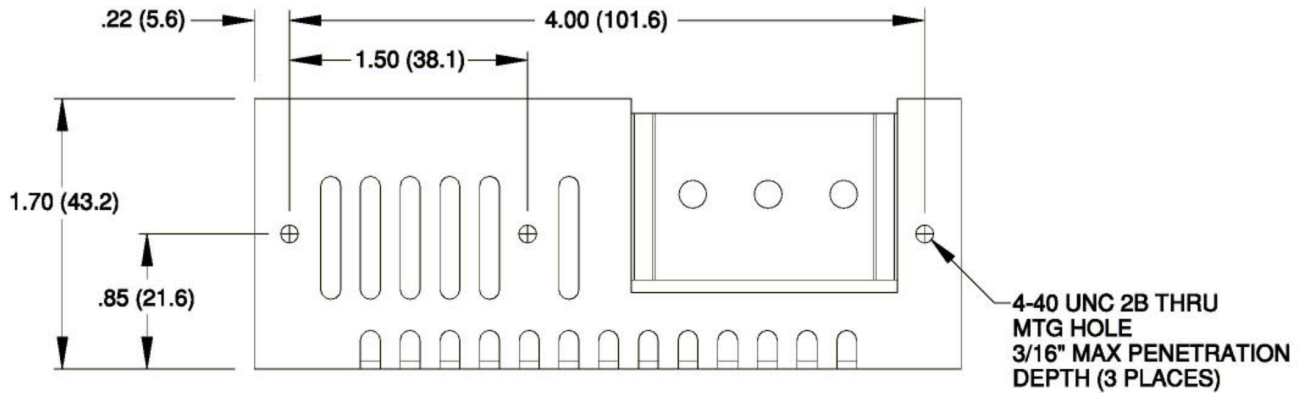
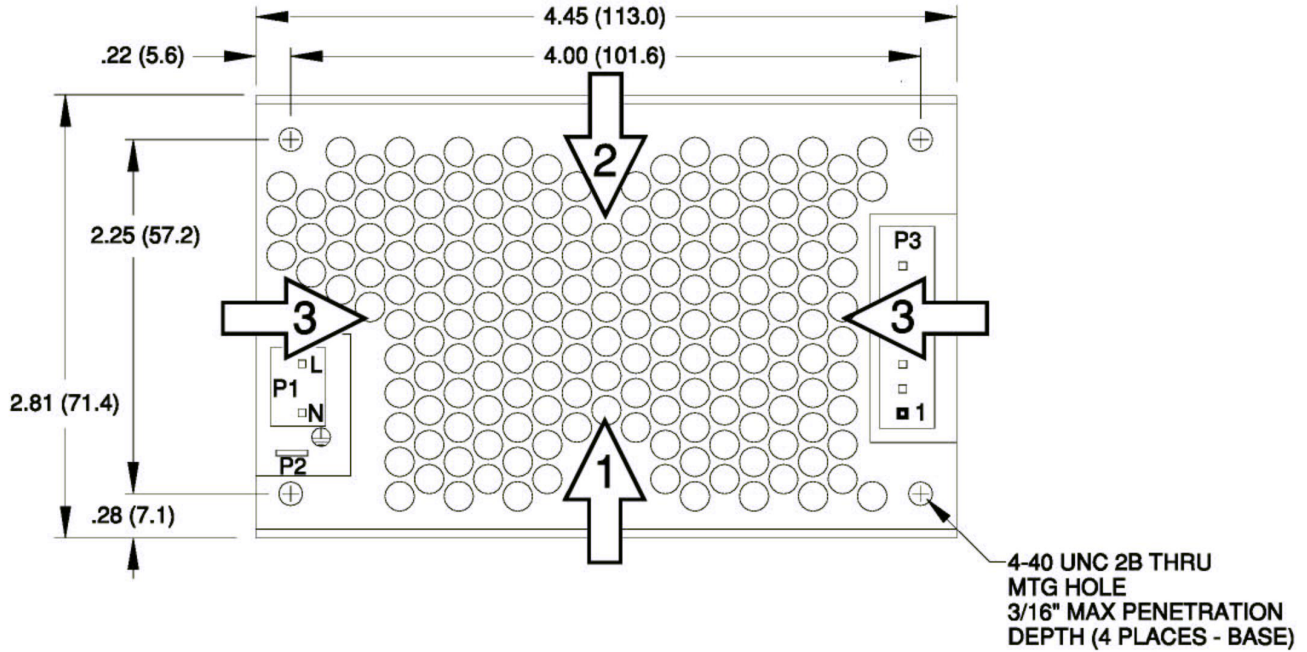
SRP-40A-3002	+5V/5A	+15V/2A	-15V/.7A		
SRP-40A-3003	+24V/1.5A		+15V/0.7A	-15V/0.7A	
SRP-40A-3004	+14.5V/1.5A	-14.5V/1.5A	+5V/1A		40W
SRP-40A-3005	+5.1V/5A	+15V/2A	+9V/0.7A		
SRP-40A-2001	+5V/5A	+24V/1.5A			40W
SRP-40A-2002	+5V/5A	+12V/3A			40W
SRP-40A-2003	+5V/5A	-5V/4A			40W
SRP-40A-2004	+12V/3A	-12V/3A			40W
SRP-40A-2005	+15V/2.5A	-15V/2A			
SRP-40A-2006	+30V/1.2A		-15V/0.7A		
SRP-40A-2007	+3.3V/5A		+5V/0.7A		40W
SRP-40A-2008	+6V/5A	+9V/1.1A			
SRP-40A-1001	3.3V/10A				33W
SRP-40A-1002	5V/8A				40W
SRP-40A-1003	12V/3.33A				40W
SRP-40A-1004	15V/2.67A				40W
SRP-40A-1005	24V/1.67A				40W
SRP-40A-1006	48V/0.83A				
SRP-40A-1007	9V/4.45A				40W

OPEN FRAME





OPTIONAL CHASSIS/COVER

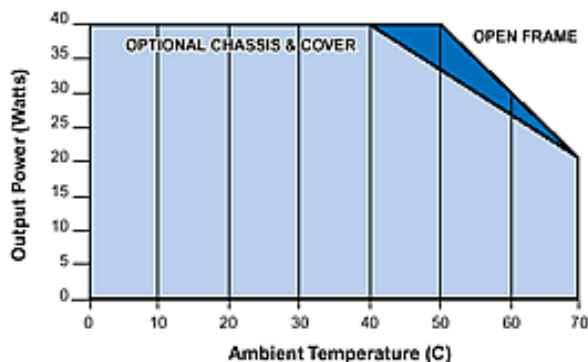


ALL DIMENSIONS IN INCHES (MM)

APPLICATIONS INFORMATION

- Each output can deliver its rated current but total output power must not exceed 40 watts(33W, 1001).
- Maximum ambient temperature is reduced to 40 C with optional chassis and cover.
- Semiconductor case temperature must not exceed 110 C
- Sufficient area must be provided around convection cooled power supplies to allow natural movement of air develop.
- This product is intended for use as a professionally installed component within information technology and medical equipment.
- A minimum load of 10% is required on output one to insure proper regulation of remaining outputs.
- Remote sense terminals may be used to compensate for cable losses up to 250mV. The use of a twisted pair is recommended as well as a decoupling capacitor (0.1 0 10microF) and a capacitor of 100microF/amp connected across the load.
- 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.
- This product is use only one fuse in the input circuit. In consideration of clause 57.6 of UL 2601-1, a second fuse may be required in the end product.
- 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.
- 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.
- Maximum screw penetration into bottom chassis mounting holes is .100 inches.
- Maximum screw penetration into side chassis mounting holes is .250 inches.
- To meet emissions specifications, all four mounting hole pads must be electrically connected to a common metal chassis. Chassis/Cover option recommended.

Maximum Output Power vs. Ambient Temperature



CONNECTOR SPECIFICATIONS

P1	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.
P3	DC Output(Single)	.156 friction lock header mates with Molex 09-50-3061 or equivalent crimp terminal housing with Molex 08-50-0189 or equivalent crimp terminal.
P3	DC Output(Multiple)	.156 friction lock header mates with Molex 09-50-3081 or equivalent crimp terminal housing with Molex 08-50-0189 or equivalent crimp terminal.
P4,P5	Sense	.100 friction lock header mates with Molex 22-01-2027 or equivalent crimp terminal housing with Molex 08-50-0114 or equivalent crimp terminal.
G	Ground	.187 quick disconnect terminal.

RECOMMENDED AIR FLOW DIRECTION

- Optimum
- Good
- Fair