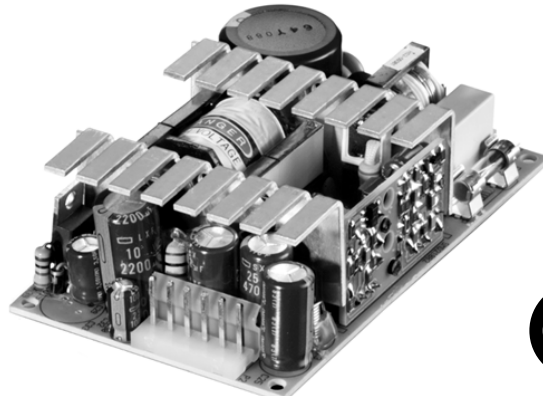




# 40W Universal - Mini Footprint PSS40 Open Frame Switchers



## Features

- Compact Mini Size
- Meets Class B Emissions
- Low Cost Solutions
- Low Profile

## Applications

- Micro Computers
- Portable Equipment
- Peripherals
- Networking

## Safety Approvals

- cUL 1950
- CE (Low Voltage Directive)
- Nemko EN60950

## Mechanical Characteristics

- Dimensions:
- Length: 108mm (4.25in)
  - Width: 63.5mm (2.5in)
  - Height: 32mm (1.26in)
  - Weight: 200gm (7oz)

## Output Specifications

Model	DC Output Voltage	Load <sup>(1)</sup>			Ripple <sup>(2)</sup> P-P (max)	Regulation (L-L)
		Max.	Peak	Fan 20CFM		
PSS40-033	+3.3V	8.0A	10.0A	9.0A	50mV	±5%
PSS40-050	+5V	8.0A	10.0A	9.0A	50mV	±3%
PSS40-120	+12V	3.3A	4.5A	4.0A	120mV	±3%
PSS40-150	+15V	2.6A	3.6A	3.3A	180mV	±3%
PSS40-240	+24V	1.6A	2.5A	2.0A	240mV	±3%
PSS40-480	+48V	0.8A	1.1A	1.0A	480mV	±3%
PSS40-201	+5V	4.0A	5.0A	4.5A	50mV	±3%
	+12V	2.0A	3.0A	2.5A	120mV	±5%
PSS40-211	+3.3V	5.0A	7.0A	6.0A	50mV	±5%
	+5.0V	1.8A	2.2A	2.0A	120mV	±10%
PSS40-301	+5V	4.0A	5.0A	4.5A	50mV	±3%
	+12V	2.0A	3.0A	3.0A	120mV	±5%
PSS40-303	-12V	0.2A	1.0A	0.5A	120mV	±5%
	+5V	4.0A	5.0A	4.5A	50mV	±5%
	+12V	2.0A	3.0A	3.0A	120mV	±5%
PSS40-304	-5V	0.2A	1.0A	0.5A	50mV	±5%
	+5V	4.0A	5.0A	4.5A	50mV	±3%
	+15V	1.6A	2.0A	2.0A	150mV	±5%
PSS40-311	-15V	0.2A	1.0A	0.5A	150mV	±5%
	+3.3V	4.0A	5.0A	4.5A	50mV	±5%
	+5V	1.8A	2.2A	2.0A	120mV	±10%
PSS40-313	-12V	0.2A	1.0A	0.5A	120mV	±10%
	+3.3V	4.0A	5.0A	4.5A	60mV	±5%
	+5V	1.8A	2.2A	2.0A	100mV	±10%
PSS40-313	-5V	0.2A	1.0A	0.5A	50mV	±5%

(1) Total available power is 40W convection or 50W with 20CFM fan cooling. Peak current for 60sec. maximum from one output only.

(2) Measured at 40W by using a 12in. twisted pair terminated with a 10mfd capacitor and a 0.1mfd ceramic in parallel.

**INPUT:**

**AC Input Voltage**

90-264VAC

**AC Input Frequency**

47 to 63Hz

**AC Input Current**

0.7A rms (115VAC)

0.4A rms (230VAC)

**AC Inrush Current (Cold Start)**

15A max., at 120VAC

20A max., at 240VAC

**Efficiency**

70% Typical

**OUTPUT:**

**Hold-up Time**

20msec. Full load, 120VAC

**Oversvoltage Protection**

>120%

**Overcurrent Protection**

>120%, Auto restart

**ENVIRONMENTAL:**

**Operation Temperature (Convection)**

0 to 50°C

**Storage Temperature**

-20°C to +85°C

**Humidity**

20 to 90% RH (Non-condensing)

**Emissions**

FCC Class B

EN 55022B

**Immunity**

EN 50082-1: 1997

61000-4-2, Level 3

61000-4-3, Level 2

61000-4-4, Level 2

61000-4-5, Level 3

61000-4-6, Level 2

61000-4-11

**GENERAL:**

**Leakage Current**

Less than 0.3mA (254VAC)

**Dielectric Withstand**

Input>Output

3000VAC, 1 min., 10mA

**Switching Frequency**

55KHz (typical)

**MTBF (Full load, 25°C)**

MIL-HDBK-217F: 150Khrs.

**AC Mating Connector**

Molex 09-50-3031

**DC Mating Connector**

Molex 09-50-3061

**Dimension Diagram Unit: mm (inch)**

**INPUT & OUTPUT CONNECTORS PIN ASSIGNMENT**

**INOUT CONNECTOR**

PIN No.	ASSIGNMENT
P1 1	AC-LINE
P1 2	AC-NEUTRAL
G	AC-GROUND

Mating molex 5196 or equivalent

**OUTOUT CONNECTOR P2**

PIN No.	ASSIGNMENT
P2-1	VO2 +
P2-2,3	VO1 +
P2-4,5	DC COM.
P2-6	VO3 -

Mating Molex 5196 or 3069 or equivalent

