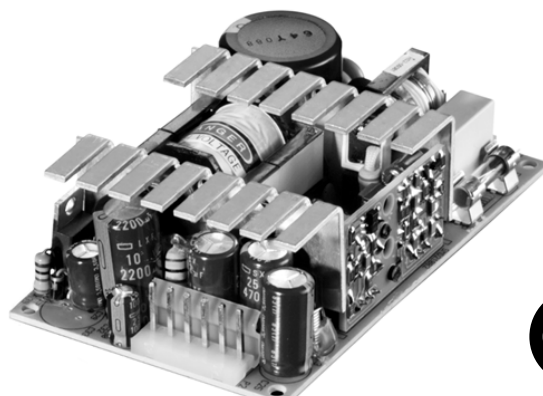




40W Universal - Mini Footprint PSS40 Open Frame Switchers



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 ⁽¹⁾			Ripple ⁽²⁾ 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

