



40W Series Multiple Output Adapter Switching Power Supply



Features

- Universal Input from 90-264VAC
- Built-in EMI Filter-Class B
- Overvoltage and Short Circuit Protection
- Compact Size

Applications

- Microcomputers
- Desktop Peripherals
- Instruments
- Test Equipment

Safety Approvals

- UL 1950
- CSA 22.2 Std 223, Class II
- TUV EN 60950 (IEC 950)
- CE (only on PSA46-301)

Mechanical Characteristics

- Dimensions:
- Length: 166mm (6.54in)
 - Width: 80mm (3.15in)
 - Height: 56.5mm (2.23in)
 - Weight: 0.57Kgs (1.25lbs)

Output Specifications

Model	DC Output Voltage	Load			Ripple(1) P-P	Regulation(2)	
		Min.	Max.	Peak		Line	Load
PSA46-301	+5V	0.5A	3.0A	4.0A	50mV	±2%	±5%
	+12V	0.5A	2.0A	4.0A	150mV	±2%	±5%
	-12V	0.0A	0.3A		150mV	±2%	±8%
PSA46-304	+5V	0.5A	3.0A	4.0A	50mV	±2%	±5%
	+15V	0.3A	1.6A	2.0A	180mV	±3%	+5/-8%
	-15V	0.0A	0.3A		180mV	±3%	+5/-8%

NOTES:

(1) Ripple and noise is measured using a 12 inch twisted pair terminated with a 10 μ f capacitor in parallel with a 0.1 μ f ceramic capacitor.

(2) Line regulation measured from low to high line with output at maximum load. Load regulation measured from 30 to 100% load at nominal line voltage.

(3) Black cases as standard, other colors, please contact us.

PhiHong is not responsible for any errors or changes. Please contact the factory and visit www.phihong.com for the most up-to-date specifications.

AC Input Voltage

90VAC-264VAC

AC Frequency

47 to 63Hz

AC Input Current

1.0A(rms) for 120VAC

0.5A(rms) for 240VAC

Inrush Current

40A at cold start

Efficiency

70% min. at max.load

Hold-up Time

10msec. at full load, 115VAC

Switching Frequency

50KHz, typical

Overvoltage Protection

5.6 to 6.8VDC (+5 only)

Overcurrent Protection

Output is equipped with short circuit protection

Humidity

20-85%, non-condensing

Operation Temperature

0 to +40°C

Storage Temperature

-40 to +70°C

Storage Coefficient

0.04% per°C

MTBFGreater than 50,000 hours,
full load, 25°C
(MIL-HDBK-217F)**EMI**

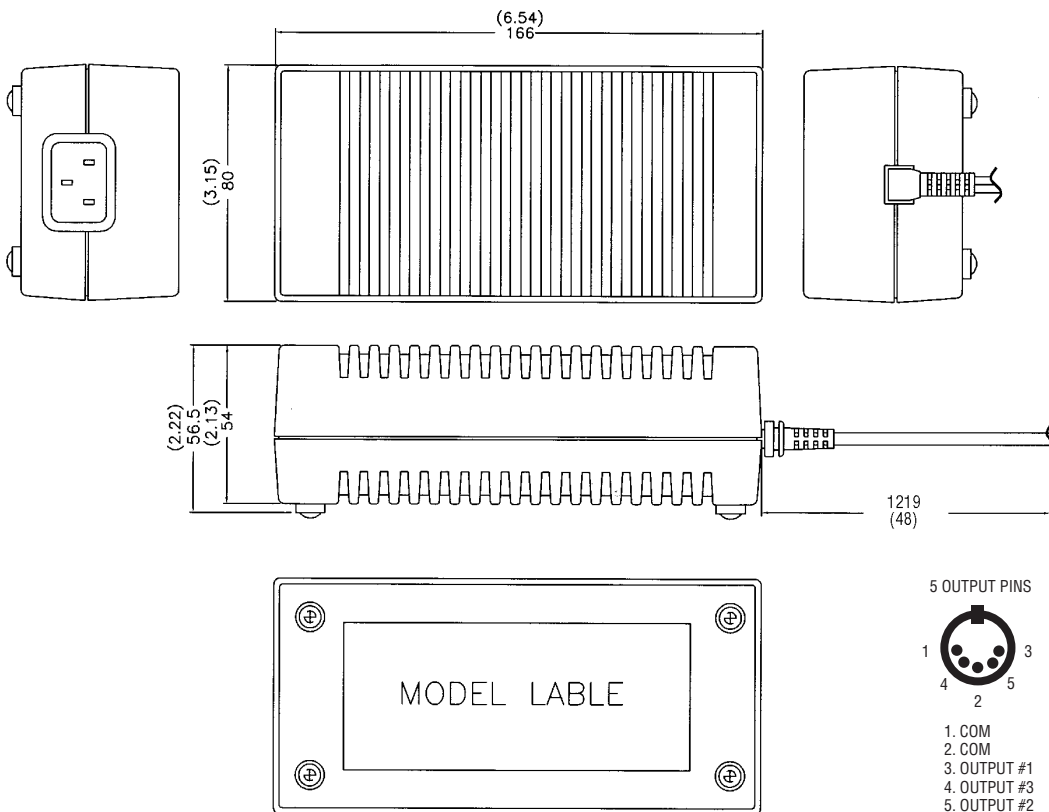
FCC Class B rules

EN 55022 B

Mating Connectors

AC: IEC320 C13 Cord

DC: 5PIN DIN, 180°, female

Dimension Diagram Unit: mm (inch)

Mouser Electronics

Authorized Distributor

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