50W Series

Single Output Adaptor
Switching Power Supply



Features

- Universal Input from 90-264VAC
- Built-in Class B EMI filter
- Overvoltage and Short Circuit Protection
- Light Weight

Applications

- Microcomputers
- Desktop Peripherals
- Printers
- Instruments

Safety Approvals

- UL 1950
- CSA 22.2 223 or 1402C Level 3
- TUV EN 60950 (IEC 950)

Mechanical Characteristics

Dimensions:
- Length: 166mm (6.54in)
- Width: 80mm (3.15in)
- Height: 56.5mm (2.23in)
- Weight: 0.55 Kgs (1.22lbs)

Output Specifications

Model	DC Output Voltage	Load		Ripple P-P	Total Tolerance	Safety Comments
		Min.	Max.			
PSA-124 (P)*	12V	0.1A	4.2A	150mV	+O.5VDC	Listed
PSA-153 (P)*	15V	0.1A	3.6A	150mV	+O.5VDC	
PSA-183 (P)*	18V	0.1A	3.0A	150mV	+O.5VDC	
PSA-242 (P)*	24V	0.1A	2.2A	200mV	+O.5VDC	Listed

(1) *Suffix(P) for output connector center polarity positive.
(2) Black color is standard, other colors, please contact us.
(3) 2.5mm inner diameter connector is alternative.

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ISO 9001 • BABT • MITI
Facility Approvals

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50W Series

Single Output Adaptor Switching Power Supply

Characteristics

Ac Input Voltage
90VAC-264VAC

AC Frequency
47 to 63Hz

AC Input Current
1.0A(rms) for 120VAC
0.5A(rms) for 240VAC

AC Inrush Current
40A at cold start (230V)

Humidity
20-90% Non-condensing

Efficiency
70% min. at max. load

Hold-up Time
16msec. min. at full load @110V

Switching Frequency
25KHz typical

Overvoltage Protection
At 110-130% of rated voltage

Overcurrent Protection
Output is equipped with short circuit protection

Operation Temperature
0 to +40˚C

Storage Temperature
-40 to +70˚C

Temperature Coefficient
0.05% per ˚C

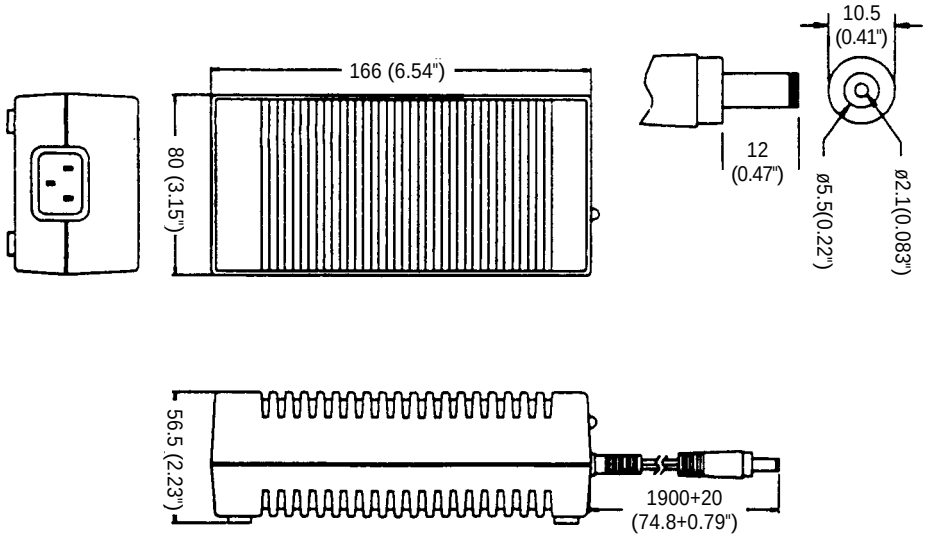
MTBF
Calculated
Greater than 100,000 hours, (MIL-HDBK-217)

EMI Requirements
FCC Class B rules
VDE 0871 Class B rules

AC Connector
IEC EN60302/C13

DC Connector
2.1mm Coaxial power plug

Dimension Diagram Unit: mm (inch)



*2.5mm available on special order. Consult PHIHONG for alternate connectors.

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