

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	+0.5VDC	Listed
PSA-153 (P)*	15V	0.1A	3.6A	150mV	+0.5VDC	
PSA-183 (P)*	18V	0.1A	3.0A	150mV	+0.5VDC	
PSA-242 (P)*	24V	0.1A	2.2A	200mV	+0.5VDC	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.

GN01F2

ISO 9001 • BABT • MITI
Facility Approvals



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50W Series

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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)

