

40W Series

Multiple Output Adaptor 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 Compliance

- UL 1950 Listed (E134610)
- CSA 22.2 Std 223, Class II (LR56927-107)
- TUV EN 60950 (IEC 950) [S9352177]

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
PSA-46-301	+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%
PSA-46-303	+5V	0.5A	3.0A	4.0A	50mV	+2%	+5%
	+12V	0.5A	2.0A	4.0A	150mV	+2%	+5%
	-5V	0.0A	0.3A		100mV	+2%	+0.5%
PSA-46-304	+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 normal line voltage.
- (3) Black cases as standard, other colors, please contact us.

ISO 9001 • BABT • MITI
Facility Approvals



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40W 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

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

MTBF

Greater than 50,000 hours,
full load, 25°C
(MIL-HDBK-217)

EMI

FCC Class B rules

VDE 0871 Class B rules

Mating Connectors

AC: IEC320 Cord

DC: 5p DIN, 180°, female

Dimension Diagram Unit: mm (inch)

