WWW.PHIHONG.COM



38W Universal Input, Dual Output Adapter **PSA45U-201 Switching Power Supply**



Features	
 Universal Input from 90-264VAC 	 Overvoltage and Short Circuit Protection
 Built-in EMI Filter-Class B 	Compact Size
Applications	
Microcomputers	Instruments
 Desktop Peripherals 	Test Equipment
Safety Compliance	
cUL 1950 3rd Edition	• TUV IEC950 (EN60950)

• CE

Mechanical Characteristics • Length: 140mm (5.51in)

- Height: 40mm (1.58in)
- Weight: 0.38kg (0.84lbs)

• Width: 63mm (2.48in) **Output Specifications**

Model	DC Output	Load		Ripple (1)	Regulation	
	Voltage	Min.	Max.	P-P (max)	Line	Load
PSA45U-201	+5V	0.3A	4.0A	50mV	±1%	±5%
	+12V	0.2A	1.5A	120mV	±1%	±5%

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

Phihong reserves the right to make changes without further notice. Please consult Phihong USA and visit www.phihong.com for the most up-to-date specifications.

PSA45U-201 Characteristics

INPUT:

AC Input Voltage 90 to 264 VAC

AC Frequency 47 to 63 Hz

AC Input Current 1.2A (rms) 120 VAC at Max. Load 0.6A (rms) 240 VAC at Max. Load

Max Inrush Current 50 A Max. 120 VAC at Max. Load 100 A Max. 240 VAC at Max Load

Leakage Current 3.5 mA Max

OUTPUT:

Hold-up Time 12 m Sec @ 120 VAC at Max. Load

Overvoltage Protection Zener Diode Clamping

Overcurrent Protection Short Circuit. Auto Restart

ENVIRONMENTAL:

Temperature

Operation: 0°C to +40°C Non-operation: -25°C to +85°C

Humidity

Operation and Storage:5% to 80%Non-Operation:5% to 95%

Emissions

EN 55022 Class B FCC Class B VCCI Class B

GENERAL

Efficiency

70% Typical at Max Load and 120 VAC

Dielectric Withstand (Hi-pot) 1500 VAC for 1 minute, 10 mA.

Switching Frequency 17-55 KHz

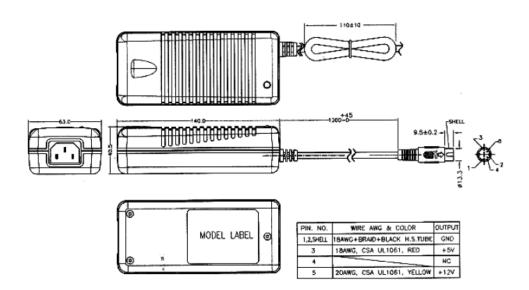
MTBF

>100K Hrs. at Max. Load and 240 VAC 50Hz

Mating Connectors

AC: IEC320 Cord DC: 5pin DIN, 180°, female

Dimension Diagram Unit: mm



WWW.PHIHONG.COM