



PSA-075



75 W LOW COST OPEN FRAME POWER SUPPLY
PSA075 Single Output Series

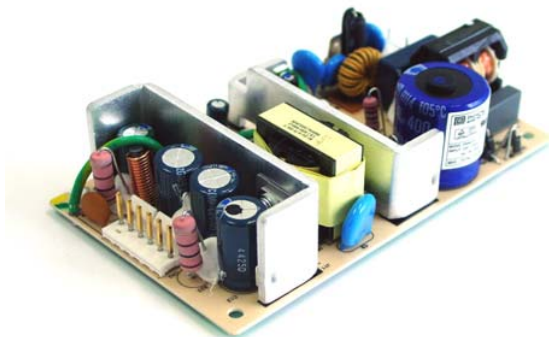
Dimensions

Length: 127mm (5inch)
Height: 33.10mm (1.30inch)
Width: 76.2mm (3inch)
Weight: 0.22Kg (7.76oz.)

MODEL	DC OUTPUT VOLTAGE	LOAD	
		Min.	Max.
PSA075-050	+5V	0A	11A
PSA075-120	+12V	0A	6.25A
PSA075-240	+24V	0A	3.125A



75 Watt Low Cost Open Frame Power Supply PSA075 Single Output Series



Features

- 3"x 5" Footprint
- Low Profile fits 1U Height Requirement
- Class B Conducted EMI
- Low Cost
- Zero Minimum Load
- Over Voltage and Short Circuit Protection

Applications

- Tape/Disk Drive Systems
- POS Terminals
- Internet Servers
- Peripherals
- Routers
- Networking

Safety Approvals

- cUL/UL
- CE (Low Voltage Directive)
- TUV

Mechanical Characteristics

- Length: 127mm (5inch)
- Width: 76.2mm (3inch)
- Height: 33.10mm (1.30inch)
- Weight: 0.22Kg (7.76oz.)

Output Specifications

Model	DC Output Voltage	Load		Output Power	Ripple (2) P-P (max.)	Regulation Line / Load	
		Min.	Max.(1)				
PSA075-050	+5V	0A	11A	55W	100mV	±1%	±3%
PSA075-120	+12V	0A	6.25A	75W	120mV	±1%	±2%
PSA075-240	+24V	0A	3.125A	75W	240mV	±1%	±2%

(1) 20CFM forced air required.

(2) Measured by using a 12 inch twisted pair terminated with a 10uF capacitor and a 0.1uF ceramic capacitor in parallel.

PSA075 Characteristics

INPUT:

AC Input Voltage Rating

100 to 240VAC

AC Input Voltage Range

90 to 264VAC

AC Input Frequency

47 to 63Hz

Input Current

2A (rms) maximum @ 120VAC

1A (rms) maximum @ 240VAC

Leakage Current

< 3.5mA 264VAC, 60Hz

Inrush Current (cold)

40A for 120VAC at maximum load

80A for 240VAC at maximum load

(Cold start @ ambient 25°C)

OUTPUT:

Efficiency

+5V: 65%; +12V: 70%; +24V: 75% minimum

Hold-up Time

10mS minimum @ maximum load, and 120VAC 60Hz

Over-Voltage Protection

PSA075-050: 6.8V maximum, Auto-Restart

PSA075-120: 16V maximum, Auto-Restart

PSA075-240: 31V maximum, Auto-Restart

Short Circuit Protection

Output equipped with short circuit protection – auto restart

Output can be shorted permanently without damage

ENVIRONMENTAL:

Temperature

Operation 0 to +50°C

Non-operation -25 to +85°C

Humidity

Operation 10 to 95% Non-Condensing

Non-operation 5 to 95% Non-Condensing

Emissions

Conducted: FCC Class B

EN55022 Class B

Radiated: FCC Class A

EN55022 Class A

Immunity EN55024:

EN61000-4-2 Level 3

EN61000-4-3 Level 2

EN61000-4-4 Level 2

EN61000-4-5 Level 3

EN61000-4-6 Level 2

EN61000-4-11

Harmonic: EN61000-3-2 Class A (A1+A2+A14)

Flicker: EN61000-3-3

Dielectric Withstand (Hi-pot) Test

Input to FG: 1500VAC for 1minute 10mA

Insulation Resistance

Primary to Secondary: >10M OHM 500VDC

Input Connector

Input header: Molex 09-65-2038 or equivalent (Pin 2 N.C.)

Mating: Molex 09-50-1031 or equivalent

Output Connector

Output header: Molex 09-65-2068 or equivalent

Mating: Molex 09-50-1061 or equivalent

Dimension Diagram Unit: mm (inch)

