



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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18 Watt Universal 3-Wire Input Adapter PSAA18U Adapter Meets EISA and Ecodesign Requirements



Features

- Low Cost
- Efficiency Level VI Compliance
- Ecodesign ErP Directive 2009/125/EC level 2 annex 1b Compliant
- Non-vented/Spill-proof Case
- Low Profile Design
- Class B EMI

Applications

- Portable Equipment
- Access Devices
- Peripherals
- Network Hubs

Safety Approvals

- cUL/UL
- CE

Mechanical Characteristics

- Length: 103mm (4.06in)
- Width: 49mm (1.93in)
- Height: 33.5mm (1.32in)
- Weight: 140g (4.94oz.)

Output Specifications

| Model | DC Output Voltage | Load | | Ripple ⁽¹⁾ P-P (max.) | Regulation Line & Load | Efficiency Level |
|---------------|-------------------|------|-------|-------------------------------------|---------------------------|---------------------|
| | | Min. | Max. | | | |
| PSAA18U-120L6 | +12V | 0A | 1.5A | 120mV | ±5% | VI |
| PSAA18U-150L6 | +15V | 0A | 1.2A | 150mV | ±5% | VI |
| PSAA18U-240L6 | +24V | 0A | 0.75A | 240mV | ±5% | VI |
| PSAA18U-480L6 | +48V | 0A | 0.38A | 480mV | ±5% | VI |

(1) Measured after 10 minutes warm up at 25°C with 12-inch twisted pair terminated with a 10uF capacitor and 0.1uF ceramic in parallel.

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Input:

AC Input Voltage Rating

100 to 240V AC

AC Input Voltage Range

90 to 264V AC

AC Input Frequency

47 to 63Hz

Input Current

0.6A (RMS) maximum at 100V AC

0.3A (RMS) maximum at 240V AC

Leakage Current

0.25mA maximum at 250V AC and 50Hz

Inrush Current

60A for 100V AC at maximum load

150A for 240V AC at maximum load

(Cold start at ambient 25°C)

Input Power Saving

<0.1W at no load

Output:

Efficiency

DOE Level VI

EU CoC Ver 5 Tier 2

(except PSAA18U-480L6 - EU Coc Ver 5 Tier 1)

Over-Voltage Protection

Auto restart

Over-Current Protection

Auto restart

Short-Circuit Protection

Output can be shorted permanently without damage

Environmental:

Temperature

Operation 0 to +40°C

Non-operation -20 to +75°C

Relative Humidity 0 to 90%

Emissions

FCC Class B

EN55022 Class B/CISPR22 Class B

Immunity

EN50082-1: (EN55024)

EN61000-4-2 Level 4

EN61000-4-3 Level 2

EN61000-4-4 Level 2

EN61000-4-5 Level 3

EN61000-4-6 Level 2

EN61000-4-8 Level 1

EN61000-4-11

Insulation Resistance

Input to Output : > 10M ohm, 500V DC

Input to Field Ground: > 10M ohm, 500V DC

Dielectric Withstand (Hi-pot) Test

Primary to Secondary: 3000V AC for 1 min., 10mA

Primary to F.G.: 1500V AC for 1 min., 10mA

Input Connector

IEC C14

DC Output Connector

2.1mm x 5.5mm center positive standard

Dimension Diagram Unit: mm

