



15 Watt Universal 2-Wire Input Desktop Adapter
PSAA15W Single Output Series Meets CEC and EISA Requirements



Features

- 0A Minimum Load
- Efficiency Level IV Compliance
- Class B EMI
- <0.25mA Leakage Current
- Compact Size

Applications

- Portable Equipment
- Peripherals and Terminals
- Low-Power Computers
- Networking

Safety Approvals

- CE
- TUV
- cUL/UL
- Meeting Cal. Prop. 65

Mechanical Characteristics

- Length: 81.2mm (3.20in)
- Width: 50mm (1.97in)
- Height: 29.8mm (1.17in)
- Weight: 140g (4.94oz)

Output Specifications

Model ⁽⁴⁾	DC Output Voltage	Load		Ripple ⁽¹⁾	Regulation	Efficiency Level
		Min.	Max.	P-P (max.)	Line & Load	
PSAA15W-050 ⁽²⁾	+5V	0A	3.00A	70mV	±5%	IV
PSAA15W-120 ⁽²⁾	+12V	0A	1.25A	120mV	±5%	IV
PSAA15W-180 ⁽³⁾	+18V	0A	0.83A	180mV	±5%	IV
PSAA15W-240 ⁽²⁾	+24V	0A	0.63A	240mV	±5%	IV
PSAA15W-480 ⁽²⁾	+48V	0A	0.31A	480mV	±5%	IV

- (1) Measured by using a 12 inch twisted pair terminated with a 10uF capacitor and 0.1uF ceramic in parallel.
 (2) Minimum order quantity of 500 pieces is required when ordering this model.
 (3) Minimum order quantity of 1500 pieces is required when ordering this model.
 (4) Units with Level IV Efficiency may no longer be shipped to the European Union for commercial or consumer purposes.

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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

0.5A (RMS) maximum at 120V AC

0.25A (RMS) maximum at 240V AC

Leakage Current

0.25mA maximum

Inrush Current

30A for 120V AC at maximum load

60A for 240V AC at maximum load

(Cold start at ambient 25°C)

Input Power Saving

0.5W maximum at no load

Output:**Efficiency**

>74% average efficiency

Hold-up Time

10mS minimum at 120V AC and maximum load

Environmental:**Temperature**

Operation 0 to +40°C

Non-operation -25 to +75°C

Humidity

20 to 90%

Emissions

FCC Class B

EN55022 Class B

Immunity

IEC61000-4-2

IEC61000-4-3

IEC61000-4-4

IEC61000-4-5

IEC61000-4-6

IEC61000-4-8

IEC61000-4-11

EN61000-3-2

Over Voltage Protection

By Zener clamping, adapter will be shut down

Over Current Protection

Output equipped with short circuit protection with auto restart

Short Circuit Protection

Output can be shorted without damage

Dielectric Withstand (Hi-pot) Test

Primary to Secondary: 300V AC for 1 minute,

10mA

DC Output Connector (Tuning Fork Type)

2.1 x 5.5 x 9.5mm Center Positive Standard

Mating Connector

Kycon KLD-0202-A or equivalent

AC Input Connector

IEC320 C8

Dimension Diagram Unit: mm