



## 15 Watt Universal Switching Adapter PSA15W Single Output Series



### Features

- 0A Minimum Load
- Class B EMI
- <0.25mA Leakage Current
- Slim 1" Height

### Applications

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

### Safety Approvals

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

### Mechanical Characteristics

- Length: 110mm (4.33in)
- Width: 65mm (2.56in)
- Height: 25.4mm (1in)
- Weight: 200g (8oz.)

### Output Specifications

| Model      | DC Output Voltage | Load |        | Ripple (1)<br>P-P (max.) | Regulation<br>Line & Load |
|------------|-------------------|------|--------|--------------------------|---------------------------|
|            |                   | Min. | Max.   |                          |                           |
| PSA15W-050 | +5V               | 0A   | 2.5A   | 50mV                     | ±5%                       |
| PSA15W-090 | +9V               | 0A   | 1.5A   | 90mV                     | ±5%                       |
| PSA15W-120 | +12V              | 0A   | 1.25A  | 120mV                    | ±5%                       |
| PSA15W-150 | +15V              | 0A   | 1A     | 150mV                    | ±5%                       |
| PSA15W-180 | +18V              | 0A   | 0.8A   | 180mV                    | ±5%                       |
| PSA15W-240 | +24V              | 0A   | 0.625A | 240mV                    | ±5%                       |

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

PhiHong is not responsible for any error and change. Please consult the factory and visit [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications.

**INPUT:****AC Input Voltage Rating**

100 to 240VAC

**AC Input Voltage Range**

90 to 264VAC

**AC Input Frequency**

47 to 63Hz

**Input Current**

0.5A (rms) Max. @ 120VAC

0.25A (rms) Max. @ 240VAC

**Leakage Current**

0.25mA Max.

**Inrush Current (cold)**

20A for 120VAC at Max. load

40A for 240VAC at Max. load

(Cold start @ ambient 25°C)

**OUTPUT:****Efficiency**

70% typical

**Hold-up Time**

12mS Min. @ 120VAC and Max. load

**Over-voltage Protection**

&gt;130% over-voltage detection, adapter will be shut down

**Over-current Protection**

Output equipped with short circuit protection – auto restart

**Short Circuit Protection**

Output can be shorted without damage

**ENVIRONMENTAL:****Temperature**

Operation 0 to +40°C

Non-operation -25 to +75°C

**Humidity**

Operation 5 to 80%

**Emissions**

FCC Class B

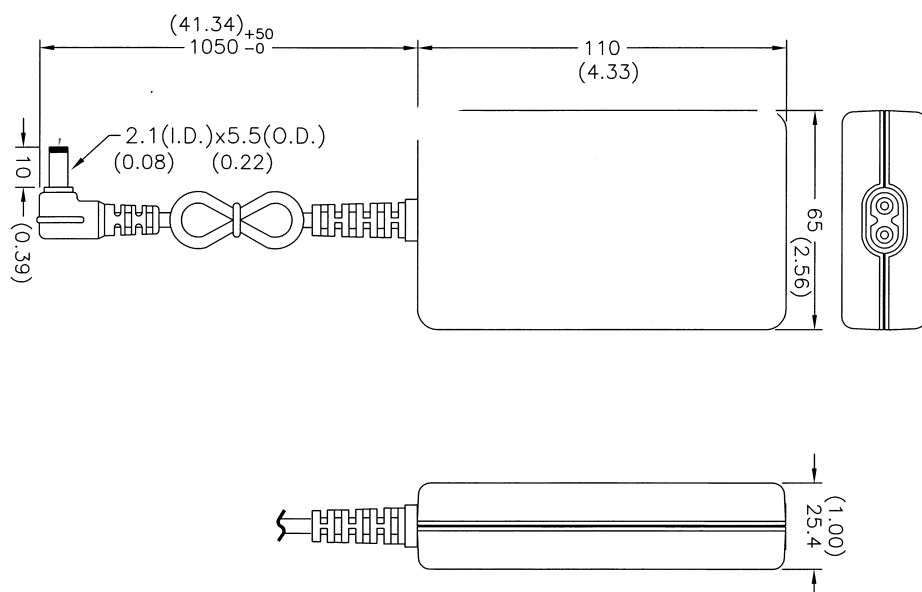
EN55022 Class B

**Dielectric Withstand (Hi-pot) Test**

Primary to Secondary: 3000VAC for 1 minute, 10mA

**DC Output Connector**

2.1x5.5mm Center Positive Standard

**Dimension Diagram Unit: mm**

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