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# 15 Watt Interchangeable Plug Series with RJ45 Output PSA15R Wall Plug Adapter MEETS CEC and EISA Requirements











# **Features**

- **Limited Power Source**
- Class B EMI
- EISA Compliant

- Class II Double Insulated
- **High Efficiency**

# **Applications**

- Wireless Communications
- Peripherals

• cUL/UL

- **Safety Approvals** 
  - TUV
  - SAA

- Portable Equipment
- **PDA**

# **Mechanical Characteristics**

- Length: 71.7mm (2.82in)
- Width: 50mm (1.91in)

## CE

C-Tick

# Height: 33.2mm (1.31in)

Weight: 120g (4.23oz)

# **Output Specifications**

Model	DC Output	Load		Ripple (1)	Regulation	Efficiency
	Voltage	Min.	Max.	P-P (max.)	Line & Load	Level
PSA15R-480PE	48V	0A	0.31A	480mV	±5%	N.

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

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# PSA15R-480PE Characteristics

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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 at all line conditions

#### **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**

85% minimum at 120VAC, maximum load

# **Hold-up Time**

10mS minimum at 120V Ac and maximum load

#### **Environmental:**

# **Temperature**

Operation  $0 \text{ to } +40^{\circ}\text{C}$ Non-operation -25 to +75°C Humidity 20 to 90%

#### **Dimension Diagram Unit: mm**

**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**

120%, Zener Clamping

#### **Over-Current Protection**

Output equipped with short circuit protection – auto restart

#### **Short-Circuit Protection**

Output can be shorted without damage

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

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

RPI: India

RPK: UK

# Power/Data Output Connector

**RJ45** Female

Pins 4,5 +48V Pins 7,8 RTN

#### **Data Input Connector**

RJ45 Male

RPA: US

RPB: Brazil

#### **AC Input Clips (sold separately)**

RPC: China RPN: Argentina RPE: Europe RPS: Australia RPH: Korea RPX: IEC320 C8 LABEL 1800±20