



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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## 20 Watt Interchangeable Plug Series PSC20R Adapter Series Meets CEC and EISA Requirements



### Features

- Limited Power Source
- Class B EMI
- Efficiency Level IV Compliance
- Class II Double Insulated
- No-load Power Saving
- High Efficiency

### Applications

- Peripherals
- Gaming Machines
- Point of Sale Equipment
- Network Equipment

### Safety Approvals

- cUL/UL
- TUV
- C-Tick
- CE
- SAA

### Mechanical Characteristics

- Length: 100mm (3.9in)
- Width: 63mm (2.5in)
- Height: 36mm (1.4in)
- Weight: 260g (9oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple <sup>(1)</sup> P-P (max.)	Regulation <sup>(2)</sup> Line & Load	Efficiency Level
		Min.	Max.			
PSC20R-120	12V	0A	1.67A	120mV	±5%	IV
PSC20R-180	18V	0A	1.11A	180mV	±5%	IV
PSC20R-240	24V	0A	0.83A	240mV	±5%	IV

(1) Measured with by-pass capacitors 0.1uF/10uF at output connector terminal.

(2) At no load to full load, 1.8 meter (6ft) DC cord, measured at the plug.

Interchangeable Clips Sold Separately

**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 120V AC

0.4A (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**

>77% average efficiency

**Hold-up Time**

10mS minimum at 120V AC and maximum load

**Environmental:**

**Temperature**

Operation 0 to +45°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

IEC61000-4-11

EN61000-3-2

**Over-Voltage Protection**

120% by Zener Clamping

**Over-Current Protection**

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

**DC Output Connector**

2.1 x 5.5mm Center Positive Barrel

**Mating Connector**

Kycon KLD-0202-A or equivalent

**AC Input Clips (sold separately)**

RPA: US

RPI: India

RPB: Brazil

RPK: UK

RPC: China

RPN: Argentina

RPE: Europe

RPS: Australia

RPH: Korea

RPX: IEC320 C8

**Dimension Diagram Unit: mm (inch)**

