# imall

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!



# Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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Model	DC Output	Load		Ripple <sup>(1)</sup>	<b>Regulation</b> <sup>(2)</sup>	Efficiency
	Voltage	Min.	Max.	P-P (max.)	Line & Load	Level
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

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at www.phihong.com for the most up-to-date specifications and contact information.

#### **PSC20R Characteristics**

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

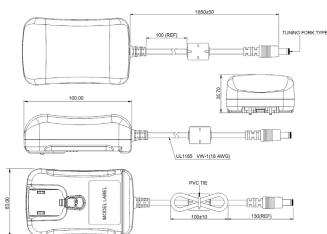
**Hold-up Time** 10mS minimum at 120V AC and maximum load

### **Environmental:**

**Temperature** Operation Non-operation Humidity

0 to +45°C -25 to +75°C 20 to 90%

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



# 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: USRPI: IndiaRPB: BrazilRPK: UKRPC: ChinaRPN: ArgentinaRPE: EuropeRPS: AustraliaRPH: KoreaRPX: IEC320 C8

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