



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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**Smallest 30W Universal 2-Wire Input Adapter  
PSA30W Adapter is Level V Efficient**



**Features**

- Very Small
- Low Cost
- Low Leakage
- Level V Efficiency Compliance
- Class B EMI
- Ecodesign ErP Directive 2009/125/EC Compliant
- Input Power Saving <0.2W

**Applications**

- Portable Equipment
- Peripherals
- Netbook Computing
- Gaming Machines

**Safety Approvals**

- CE
- TUV
- cUL/UL

**Mechanical Characteristics**

- Length: 80mm (3.14in)
- Width: 35mm (1.38in)
- Height: 24mm (0.94in)
- Weight: 110g (3.9oz)

**Output Specifications**

Model	DC Output Voltage Range	Load			Ripple P-P (max.)	Efficiency Level
		Min.	Max.	Peak.		
PSA30W-190A-R	18.05~19.95V	0A	1.6A	1.8A	190mV	V

**INPUT:**

**AC Input Voltage Range**  
90 to 264VAC

**AC Input Voltage Rating**  
100 to 240VAC

**AC Input Frequency**  
47 to 63Hz

**Max In-Rush Current**  
60A maximum for 230VAC at maximum load

**AC Input Current**  
0.8A (RMS) maximum at 110VAC

**Leakage Current**  
0.25mA maximum at all line conditions

**Input Power Saving**  
<0.2W for 240VAC at no load

**OUTPUT:**

**Output Power**  
30W continuous

**Efficiency**  
Meets requirements for Level V marking

**Hold up time**  
>5ms at 100VAC, 50Hz and full load

**ENVIRONMENTAL**

Operating Temperature      0 to 40°C  
Storage Temperature        -20 to 80°C

Operating Humidity         20 to 80% ±

**EMI**

EN55022 class B, FCC Part 15 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  
EN61000-3-3

**Isolation (Hi-POT)**

Input to Output: 3000VAC for 5mA, 1 minute

**Insulation Resistance**

Input to Output: 500VDC 100M ohm, 1minute

**FEATURES**

**Over Current Protection**

2.0~2.8A at nominal input and full load

**Short Circuit Protection**

The output can be shorted permanently without damage

**Over Voltage Protection**

23V (min) ~ 34V (max) Vo

**AC Input Connector**

IEC320 C8 two-wire

**DC Output Connector**

2.5 x 5.5mm center positive barrel

**Dimension Diagram Unit: mm**

