



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





36 Watt Universal 2-Wire Input Adapter PSM36W Adapter Series Meets CEC and EISA Requirements



Features

- Low Cost
- EISA Energy Efficiency Compliance
- Ecodesign ErP Directive 2009/125/EC level 2 annex 1b Compliant
- Non-Vented/Spill-proof Case
- Low Profile Design
- Class B EMI
- Level V Efficiency Compliant

Applications

- Portable Equipment
- Peripherals
- Networking
- Gaming Machines

Safety Approvals

- CE
- cUL/UL

Mechanical Characteristics

- Length: 120mm (4.72in)
- Width: 50mm (1.98in)
- Height: 31.5mm (1.27in)
- Weight: 250g (8.82oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple P-P (max.)	Efficiency Level
		Min.	Max.		
PSM36W-120TW2-R	12V	0A	3A	140mV	

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Input:

AC Input Voltage Rating

120-240V AC

AC Input Voltage Range

89-270V AC

AC Input Frequency

47-63Hz

Input Current

0.8A (RMS) Maximum at 120V AC

Leakage Current

250uA maximum

Inrush Current

60A max. at 120V AC and max load
(Ambient 25°C cold start)

Input Power Saving

0.3W maximum at 230V AC and no load

Output:

Efficiency

Meets Level V Efficiency Requirements
85% minimum

Environmental:

Temperature

Operation 0 to 45°C
Non-operation -40 to 80°C
Operating Humidity 15 to 90%

EMC

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

Auto-restart

Short-Circuit Protection

Protected against short circuit – Output can be shorted permanently without damage

Dielectric Withstand (Hi-pot) Test

Primary to Secondary: 2000V AC, 10mA for 1 minute

Insulation Resistance

Primary to secondary: >7M ohm 500V DC

MTBF

100,000 Hours Minimum at 25°C

DC Output Connector

Center Positive Barrel (11.2mm x 5.5mm x 2.1mm)

DC Cord

1000mm ± 50

Dimension Diagram Unit: mm (inch)

