

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

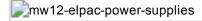
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China











## **MW12 Series**

12 Watt Medical Desktop Power Supply

## MW12 Is Not Recommended For New Designs. Please Use <u>MWA020 Class I</u> As A Replacement

- High Efficiency
- Fully Regulated DC Output
- Lifetime Expectation >5 years
- Hold-up Time >20ms at full load
- Safety Approval EN60601-1 Class I

Elpac Part Number	r Output	Output	Peak	Total	Typical
	Voltage	Current	Current <sup>1</sup>	Regulation <sup>2</sup>	Efficiency <sup>3</sup>
MW1212-760-NC- BK	12.0V	1.0A	1.2A	±5%	78%
MW1224-760-NC-	24.0V	0.5A	0.6A	±5%	78%

Byces
1 Maximum peak load (14.4W) lasting 500ms with a maximum 10% duty cycle.

<sup>3</sup> Typical at 115VAC (including output cable).

Input	
Input Voltage	85 – 264VAC 100 – 240VAC Nominal
Input Frequency	47 – 63Hz
Input Current	<0.5A rms
Inrush Current	<37A at 230VAC cold start
Zero Load Power Consumption	0.97W
Touch Leakage Current	<100µA @ 132VAC @ 60Hz
	<200μA @ 264VAC @ 60Hz

<sup>2</sup> Includes initial setting, line regulation, load regulation, and thermal drift.

### Output

Output Voltage See Table

Total Regulation +/-5%

Minimum Load No minimum load required

Start-Up Delay <1s

Hold-Up Time >20ms

Ripple & Noise <1% pk-pk \*\* \*

Over Voltage Protection 110-135%

Over Temperature Protection Active - Recoverable; plus Passive - Non Recoverable

Over Current Protetion 120 - 180%

Short Circuit Protection shutdown, auto-restart (hiccup mode)

#### Notes

#### General

Efficiency Avg Efficiency 78.1% @ 115VAC; 77.3% @ 230VAC

MTBF min. 200,000 hours demonstrated

Size 3.35" (85.0mm) x 1.97" (50.0mm) x 1.30" (33.0mm)

Weight 0.45 lbs (.20 kg)

#### **Environmental**

Operating Temperature  $0-60^{\circ}$ C (Full load to  $40^{\circ}$ C, derate linearly to 50% load at  $60^{\circ}$ C)

Storage Temperature -40°C to +85°C

Relative Humidity 5-95%, non-condensing

Cooling Natural Convection

Vibration All units production tested to 19.6m/s2

<sup>\*</sup> Ripple and noise measured with 20MHz bandwidth; 10µF tantalum capacitor in parallel with a 0.1µF ceramic capacitor.

**EMC & Safety** 

Emissions FCC class B, CISPR11 class B EN61000-3-2, -3

Immunity EN61000-4-2, -3, -4, -5, -6, -8, -11

Certified by: cTUVus

☑ UL 60601-1

CAN/CSA-22.2 No.601.1-M90\*

CB per IEC60601-1

CE marked to LVD

### **Input Configuration**

Standard Input Cable Not Provided

Connection on Power Supply Body IEC 320 C14 Receptacle

### **Output Configuration**

Standard Output Cable 6 ft.

Cord Size 2x16awg zip

Connector (PSU side) Switchcraft 760 or equivalent

Mating Connector Switchcraft 712A or equivalent

## **Output Pin Assignments**

Rtn +V

Center +v1

Outside Return



## **Inventory Results For MW12**

Part Number	Distributor	Quantity	Inv. Date
MW1212-760-NC-BK	ALLIED ELECTRONICS, INC.	156	12/29/2015
MW1212-760-NC-BK	NEWARK ELEMENT14	590	12/28/2015
MW1224-760-NC-BK	ALLIED ELECTRONICS, INC.	61	12/29/2015