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

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MW24 Series

24 Watt Medical Desktop Power Supply

MW24 Is Not Recommended For New Designs. Please Use MWA030 Class I or MWA020 Class I As A Replacement

- ** Not 60601-1 3rd Edition Compliant
- 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	Output Voltage	Output Current	Peak Current[1]	Total Regulation[2]	Typical Efficiency[3]
MW2412-760-NC-BK	12.0V	2.0A	2.4A	±5%	80%
MW2415-760-NC-BK	15.0V	1.6A	1.9A	±5%	81%
MW2418-760-NC-BK	18.0V	1.3A	1.5A	±5%	81%
MW2424-760-NC-BK	24.0V	1.0A	1.2A	±5%	82%

Notes

1 Maximum peak load (28.8W) lasting 500ms with a maximum 10% duty cycle.

2 Includes initial setting, line regulation, load regulation, and thermal drift.

3 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	0.85W
Touch Leakage Current	<100µA @ 132VAC @ 60Hz
	<200µA @ 264VAC @ 60Hz

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

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

General

Efficiency	Avg Efficiency 81.5% @ 115VAC; 80.9% @ 230VAC
MTBF	min. 200,000 hours demonstrated
Size	4.25" (108.0mm) x 2.5" (64.5mm) x 1.30" (33.0mm)
Weight	0.45 lbs (.20 kg)

Environmental

Operating Temperature	0 – 60°C (Full load to 40°C, derate linearly to 50% load at 60°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

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

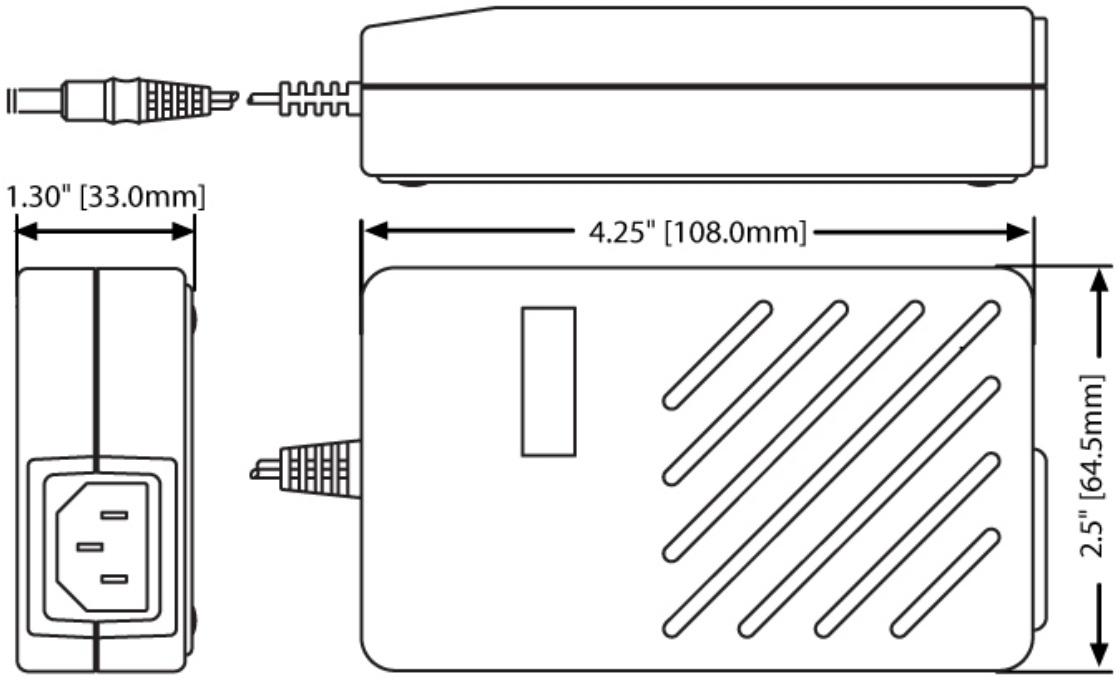
Standard Input Cable	Not Provided
Connection on Power Supply Body	IEC 320 C14 Receptacle

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

Center	+v1
Outside	Return


1.30" [33.0mm]
4.25" [108.0mm]
2.5" [64.5mm]