



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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MW40 Series

40 Watt Medical Desktop Power Supply

- High Efficiency: Level V
- Fully Regulated DC Output
- Lifetime Expectation >5 years
- Hold-up Time >16ms at full load
- Medical Approval - EN60601-1 Class I

Elpac Part Number	Output Voltage	Output Current	Peak Current ¹	Total Regulation ²	Typical Efficiency ³
MW4009-760F-NC-BK	9.0V	4.4A	5.3A	±5%	84%
MW4012-760F-NC-BK	12.0V	3.3A	4.0A	±5%	86%
MW4015-760F-NC-BK	15.0v	2.6A	3.2A	±5%	87%
MW4018-760F-NC-BK	18.0V	2.2A	2.6A	±5%	87%
MW4024-760F-NC-BK	24.0V	1.7A	2.0A	±5%	88%

Notes

1 Maximum peak load (48W) lasting 500ms with a maximum 10% duty cycle.

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

3 Typical at 115VAC

Input

Input Voltage	85 – 264VAC 100 – 240VAC Nominal
Input Frequency	47 – 63Hz
Input Current	<1A rms
Inrush Current	<37A at 230VAC cold start
Zero Load Power Consumption	0.3W
Touch Leakage Current	<50µA @ 132VAC @ 60Hz <75µA @ 264VAC @ 60Hz

Output

Output Voltage	See Table
Total Regulation	+/-5%
Minimum Load	No minimum load required
Start-Up Delay	<.25s
Hold-Up Time	>16ms
Ripple & Noise	<1% pk-pk ** *
Over Voltage Protection	110-135%
Over Temperature Protection	Active - Recoverable; plus Passive - Non Recoverable
Over Current Protection	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 86.4% @ 115VAC; 85.7% @ 230VAC
MTBF	min. 200,000 hours demonstrated
Size	5.0 (127.0mm) x 3.0 (76.2 mm) x 1.3 (33.0mm)
Weight	0.8 lbs (.36 kg)

Environmental

Operating Temperature	0 - 40C, linearly derated to 50% load at 60C
Storage Temperature	-40°C to +85°C
Relative Humidity	5-95%, non-condensing
Cooling	Natural Convection
Vibration	All units production tested to 19.6m/s ²

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 TUV to the following:



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

Connector (PSU side) Switchcraft 760 or equivalent

Mating Connector Switchcraft 712A or equivalent

Output Pin Assignments



Center +v1

Outside Return

