



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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MWA030 Class II

30 Watts Medical Desktop Power Supply



- High Efficiency
- Fully Regulated DC Output
- 5-Year Limited Warranty
- Hold-up Time > 16ms at full load
- Safety Approval-EN60601-1 Class II 3rd Edition
- Level V, EuP Directive Compliant
- LED Indicator

Elpac Part Number	Output Voltage	Output Current	Peak Current	Total Regulation	Typical Efficiency
MWA030005B-10A	5.0V	6.0A	7.2A	+/-5%	84%
MWA030009B-10A	9.0V	3.3A	4.0A	+/-5%	85%
MWA030012B-10A	12.0V	2.5A	3.0A	+/-5%	84.7%
MWA030015B-10A	15.0V	2.0A	2.4A	+/-5%	87.0%
MWA030018B-10A	18.0V	1.7A	2.0A	+/-5%	86.5%
MWA030024B-10A	24.0V	1.25A	1.5A	+/-5%	88.5%

Input

Input Voltage	85-264VAC; 100-240VAC Nominal
Input Frequency	47-63Hz
Input Current	<1.0A rms
Inrush Current	<60A @ 230VAC cold start
Zero Load Power Consumption	<0.3W
Touch Leakage Current	<4μA @ 132VAC @ 60Hz (typical) <6μA @ 264VAC @ 60Hz (typical)

Output

Output Voltage	See Model Overview Table
Total Regulation	+/-5%
Minimum Load	No minimum load required
Start-Up Delay	<1.5s
Hold-Up Time	>16ms at any input voltage
Ripple & Noise	<1% pk-pk**
Over Voltage Protection	112-135%
Over Temperature Protection	Active - Recoverable; plus Passive - Non Recoverable
Over Current Protection	108% - 180%
Short Circuit Protection	Shutdown, auto-restart (hiccup mode)

General

Efficiency	Avg Efficiency 87% at 115VAC; 86.3% @ 230VAC
MTBF	min. 200,000 hours demonstrated
Size	3.53" x 1.92" x 1.00" 89.6mm x 48.4mm x 25.2mm
Weight	5V 0.4lbs (0.2Kg); 24V 0.3 lbs (0.16Kg)
Power Density	4.47 W/in ³

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/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 3rd edition

CAN/CSA-22.2 No.601

CB per IEC60601-1

CE marked to LVD Directive

Input Configuration

Standard Input Cable Not Provided

Connection on Power Supply Body IEC 320 C8 Receptacle

Output Configuration

Standard Output Cable 4 ft.

Cord Size 2x16awg

Connector (PSU side) Switchcraft 760 or equivalent

Mating Connector Switchcraft 712A or equivalent

Output Pin Assignments



Center +v1

Outside Return

