



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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MSM07 Series

7 W Medical Open Frame Power Supply

- Wide Range AC Input
- Fully Regulated DC Output
- Lifetime Expectation >5 years
- Hold-up Time >22ms at full load
- Output Floating
- Safety Approval - EN60601-1 Class II

Elpac Part Number	Output Voltage	Output Current	Peak Current	Total Regulation	Typical Efficiency
MSM0705	5.1V	1.4A	2.0A	±5%	74%
MSM0712	12.0V	0.6A	0.83A	±5%	74%
MSM0715	15.0V	0.5A	0.66A	±5%	76%
MSM0724	24.0V	0.3A	0.42A	±5%	75%
MSM0728	28.0V	0.3A	0.36A	±5%	75%

Input	
Input Voltage	85 - 264VAC 100 - 240VAC Nominal
Input Frequency	50 - 60Hz
Input Current	<0.3A rms
Inrush Current	<37A at 230VAC cold start
Zero Load Power Consumption	<0.7W
Earth Leakage Current	<32µA @ 132VAC @ 60Hz <55µA @ 264VAC @ 60Hz

Output	
Output Voltage	See Table
Total Regulation	+/-5%

Minimum Load	No minimum load required
Start-Up Delay	<750 ms
Hold-Up Time	>22ms
Ripple & Noise	<1% pk-pk **
Over Voltage Protection	110-135%
Over Current Protection	200 - 350%
Short Circuit Protection	shutdown, auto-restart (hiccup mode)

General

Efficiency	Avg Efficiency 74.8% @ 115VAC; 75.9% @ 230VAC
MTBF	min. 200,000 hours demonstrated
Size	2.00" (50.80mm) x 2.28" (57.91mm) x 0.71" (18.11mm)
Weight	0.10 lbs (0.05 kg)
Power Density	2.2W/in ³

Environmental

Operating Temperature	0 – 50°C (Full load to 50°C, derate linearly to 50% load at 70°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 Part 15, Class B, CISPR11, EN61000-3-2, -3
Immunity	EN61000-4-2, -3, -4, -5, -6, -8, -11
Certified by UL to the following:	cRUus UL 60601-1 CAN/CSA-22.2 No.601.1-M90 CB per IEC60601-1 CE marked to LVD





MSM07 | ICCNEXERGY | © 2011 |