



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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MSMP115 Series 115 W Medical Open Frame Power Supply

- Wide Range AC Input
- Power Factor Correction
- External Fan Power
- Fully regulated DC output
- Output Floating
- High Efficiency
- Medical Approval - EN60601-1 Class I
- EISA Compliant
- RoHs Compliant

Elpac Part Number	Output Voltage	Output Current	Peak Current	Typical Efficiency
MSMP11512F	12.0V	6.7A	9.6A	85.5%
MSMP11515F	15.0V	5.3A	7.7A	86%
MSMP11524F	24.0V	3.3A	4.8A	87.6%
MSMP11528F	28.0V	2.9A	4.2A	86%

Input	
Input Voltage	85 - 264VAC 100 - 240VAC Nominal
Input Frequency	47 - 63Hz
Input Current	<2A @ 100VAC
Inrush Current	<37A at 230VAC cold start
Power Factor	>0.99
Zero Load Power Consumption	<8W @115VAC
Touch Leakage Current	<250µA @ 132VAC @ 60Hz <300µA @ 264VAC @ 60Hz

Output

Output Voltage	See Table
Total Regulation	+/-5%
Minimum Load	No minimum load required
Start-Up Delay	<300ms
Hold-Up Time	>24ms at full load, 115VAC
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	Pulsing Mode Auto Recovery

General

Efficiency	Avg Efficiency 86% @ 115VAC; 87% @ 230VAC
MTBF	min. 200,000 hours demonstrated
Size	5.25
Weight	1.1 lbs (0.47 kg)
Power Density	4.4W/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 (80W) or Forced Air (115W)
Vibration	All units production tested to 19.6m/s ²

EMC & Safety

Emissions	FCC class B, CISPR11 class B EN61000-3-2, -3
Immunity	EN61000-3-2 Class D EN61000-3-3
Certified by UL to the following:	UR/cUR



UL 60601-1
CAN/CSA-22.2 No.601.1-M90
CB per IEC60601-1
CE marked to LVD

MSMP115 | ICCNEXERGY | © 2011 |