



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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MSMP150 Series

150 W Medical Open Frame Power Supply

- Wide Range AC Input
- Power Factor Correction
- +5V Standby & 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	Typical Efficiency
MSMP15012F	12.0V	12.5A	82%
MSMP15015F	15.0V	10.0A	83%
MSMP15024F	24.0V	6.2A	85%
MSMP15028F	28.0V	5.3A	86%
MSMP15048F	48.0V	3.2A	85%

Input	
Input Voltage	85 - 264VAC 100 - 240VAC Nominal
Input Frequency	47 - 63Hz
Input Current	5A @ 100VAC
Touch Leakage Current	<75 μ A @ 132VAC @ 60Hz <75 μ A @ 264VAC @ 60Hz

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

Minimum Load	No minimum load required
Start-Up Delay	<1s
Hold-Up Time	>20ms 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 % @ 115VAC; % @ 230VAC
MTBF	min. 200,000 hours demonstrated
Size	5.25
Weight	2.0 lbs (0.91 kg)

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 (250W) or Forced Air (350W)
Vibration	All units production tested to 19.6m/s ²

EMC & Safety

Emissions	FCC class B, CISPR11 class B EN61000-3-2, Class D
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



MSMP150 | ICCNEXERGY | © 2011 |