

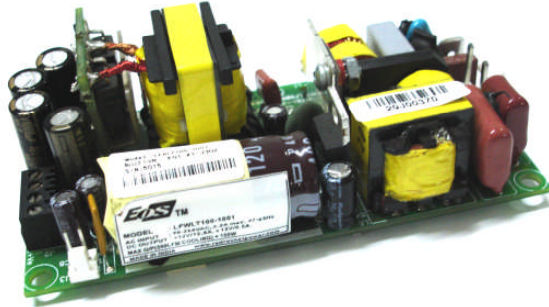
MWLT150 Series

NEW



Medical 150 Watt 2 x 4 Inch AC/DC Power Supplies

The M-Series of Medical Open Frame Power Supplies are ideal for Dental & Laboratory products & systems. Endoscopes, Instruments, Pumps, Drips, Medical Monitors, Defibrillators, Sleep apnea devices and many other uses.



Features :

- > 150 W with Forced Air Cooling.
- > Small 2x4x1.324 inch form factor.
- > High efficiency > 86%.
- > 12V Fan O/P
- > Low conducted and radiated noise.
- > Medical Approvals
- > 12V @ 0.5A Fan Voltage auxiliary output.
- > Class 1 & 2 products
- > Light weight
- > Cover Kit accessory available.

Model Number	Output	Voltage Current Convection	Voltage Current Fan Cooled	Min. Load
LFMWLT150-1000	V1	5V @ 16A	5V @ 20A	0A
LFMWLT150-1001	V1	12V@8.33A	12V @ 12.5A	0A
LFMWLT150-1002	V1	15V@6.67A	15V @ 10A	0A
LFMWLT150-1003	V1	24V@4.17A	24V @ 6.25A	0A
LFMWLT150-1004	V1	48V@2.08A	48V @ 3.13A	0A
WLT100CK Metal cover kit accessory				

INPUT SPECIFICATION		
AC Input	Universal	90 to 264VAC
DC Input		120 to 390VDC (Reduce to half load at 120VDC Input)
Efficiency	All Models	≥86%
Input Frequency		47-63 Hz
Input Current	Full Load at Low line	2.0Arms , max
Inrush Current	High Line , cold start	60A, max

* Combined output power from V1 & V fan should not exceed total output power rating.

EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the LVD
EMC	EN5022-B,CISPR22-B, FCC Part 15 Class B, EN50082-1
Agency Approval	c-URUS, NEMKO, IEC
Harmonic Correction	EN61000-3-2 Class D
Safety Standard	EN60601-1-2
Isolation	5.9KVDC Input to Output 2.6KVDC Input to GND
Insulation Resistance	7mOhms Input to Output

* Fan output voltage tolerance ± 20%.

* Peak Fan current 1A

LFMWLT150-ZXXX-YYY-W (Alt model LFWLT100-ZXXX-YYY-W)

Where Z = Any number between 1 and 4, X = Any numeric from 0-9 and Y = Any alpha-numeric character or blank and denotes minor output variation and /or minor SELV circuit variation ,

W= blank for Class I and 2 for Class 2

OUTPUT SPECIFICATION		
Output Power		150W max
Leakage Current	Normal condition	250uA
Hold-Up Time	115V/230V	6ms./10ms
Peak Power		170 Watts for 0.2 Sec's
Line Regulation	Low line to high line	± 0.5%
Load Regulation	Min to Max load	± 2%
Transient Response	50% to full load Voltage Deviation Recovery Time	10%, max <5 ms
OVP	Self Protecting	Hicup
Overload Protection	Primary limited	> 110%
Short Circuit Protection	Auto recovery <6s	Short Term
Ripple and Noise	Upto 20% load Above 20% load	2% <1%
Output Rise Time	All outputs	<100ms

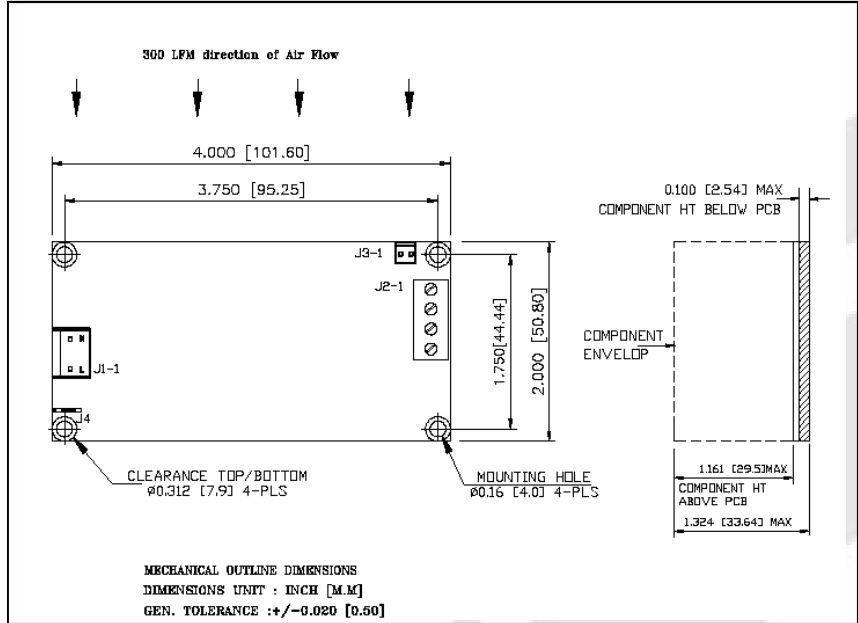
All Red Rocket, Inc. EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.redrocketpower.com and contact us at: sales@redrocketpower.com or by calling +1 805-409-0909 today. © 2008, Red Rocket, Inc. EOS brand power supplies and patents are owned exclusively by Red Rocket, Inc. All Rights Reserved.



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ENVIRONMENTAL SPECIFICATION		
Operating Temperature	-20° to 0° C, start up guaranteed Reduce Linearly to 50% Load	-20 to 50° C 51 To 70° C
Storage Temperature		-40 to 85° C
Cooling 5V model All Other models	80W / 100W 100W / 150W	Convection / 300LFM Airflow
Relative humidity	Non condensing	95%, max
MTBF	Bellcore TR332	> 200,000 hrs
Altitude		Operating: 10,000ft Non-Operating: 40,000ft
Vibration	Operating & Non Operating	5-9Hz, 2G PK, 0.5 oct./min, 2 cycles; 9-500Hz 0.5 oct./min, 2 cycles.
Transients		EN61000-4-2, 4-3, 4-4, 4-5, 4-6, 4-11 Level 3

MECHANICAL SPECIFICATION	
AC Input Connector J1	Molex 26-60-4030, 3 pin, 0.156" Mating Connector: Molex 09-50-3031 Pins: 08-50-0106 or Equivalent
Ground Connector	Molex 19705-4301 PCB Quick Disconnect Mating: Molex AA-1140
DC Output connector J2	Tyco terminal block 1776112-4, 4 pin Wire : 13 Awg, side entry or Equivalent
Size	4"x2"x1.324"
DC Output Connector J3	Molex 2 Position, 0.100 centre header. Part Number 22-23-2021 or Equivalent
Weight	5.3 Oz (150g)

INPUT CONNECTOR J1	
Pin1	AC Line
Pin2	AC Neutral

OUTPUT CONNECTOR J3	
Pin1	Vfan
Pin2	RTN

OUTPUT CONNECTOR J2	
	Single Output
Pin1	V1
Pin2	V1
Pin3	RTN
Pin4	RTN

INPUT SPADE CONNECTOR	
GND	AC Ground

All Red Rocket, Inc. EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.redrocketpower.com and contact us at: sales@redrocketpower.com or by calling +1 805-409-0909 today. © 2008, Red Rocket, Inc. EOS brand power supplies and patents are owned exclusively by Red Rocket, Inc. All Rights Reserved.

