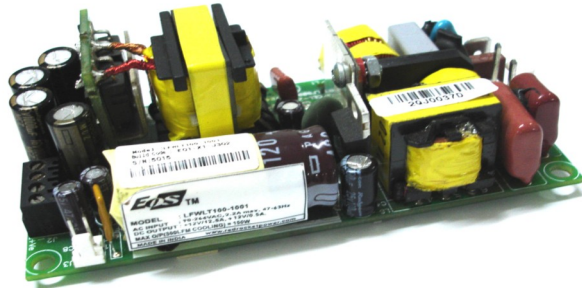


WLT150 Series

150 Watt 2 x 4 Inch AC/DC Power Supplies

The W-Series of Open Frame Power Supplies are ideal for Industrial, data networking, telecommunications, process controls, automation products, multimedia and point of sale



New Product



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.
- > 12V @ 0.5A Fan Voltage auxiliary output.
- > Class 1 & 2 products
- > Light weight
- > Cover Kit accessory available.

Model Number	Description	Voltage/Current	Voltage/Current
		(Convection)	(Fan Cooled)
LFWLT150-1000	Class 1 with Screw Terminal	5V @ 16A	5V @ 20A
LFWLT150-1000-2	Class 2 with Screw Terminal	5V @ 16A	5V @ 20A
LFWLT150-1300	Class 1 with JST Connector	5V @ 16A	5V @ 16A
LFWLT150-1300-2	Class 2 with JST Connector	5V @ 16A	5V @ 16A
LFWLT150-1001	Class 1 with Screw Terminal	12V @ 8.33A	12V @ 12.5A
LFWLT150-1001-2	Class 2 with Screw Terminal		
LFWLT150-1301	Class 1 with JST Connector		
LFWLT150-1301-2	Class 2 with JST Connector		
LFWLT150-1002	Class 1 with Screw Terminal	15V @ 6.67A	15V @ 10A
LFWLT150-1002-2	Class 2 with Screw Terminal		
LFWLT150-1302	Class 1 with JST Connector		
LFWLT150-1302-2	Class 2 with JST Connector		
LFWLT150-1003	Class 1 with Screw Terminal	24V @ 4.17A	24V @ 6.25A
LFWLT150-1003-2	Class 2 with Screw Terminal		
LFWLT150-1303	Class 1 with JST Connector		
LFWLT150-1303-2	Class 2 with JST Connector		
LFWLT150-1004	Class 1 with Screw Terminal	48V @ 2.08A	48V @ 3.13A
LFWLT150-1004-2	Class 2 with Screw Terminal		
LFWLT150-1304	Class 1 with JST Connector		
LFWLT150-1304-2	Class 2 with JST Connector		
WLT100-CK	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	230VAC, 115VAC	65A, 33A Max

OUTPUT SPECIFICATION		
Output Power		150W max
Leakage Current		3.5mA
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	Hiccup
Overload Protection	Primary limited	> 110%
Short Circuit Protection	Auto recovery <6s	Short Term
Ripple and Noise	Up to 20% load Above 20% load	2% <1%
Output Rise Time	All outputs	<100ms

EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1
Agency Approval	UL, c-UL, NEMKO, IEC
Harmonic Correction	EN61000-3-2 Class D
Safety Standard	UL / IEC/ EN60950
Isolation	4.2KVDC Input to Output 2.1KVDC Input to GND
Insulation Resistance	7mOhms Input to Output

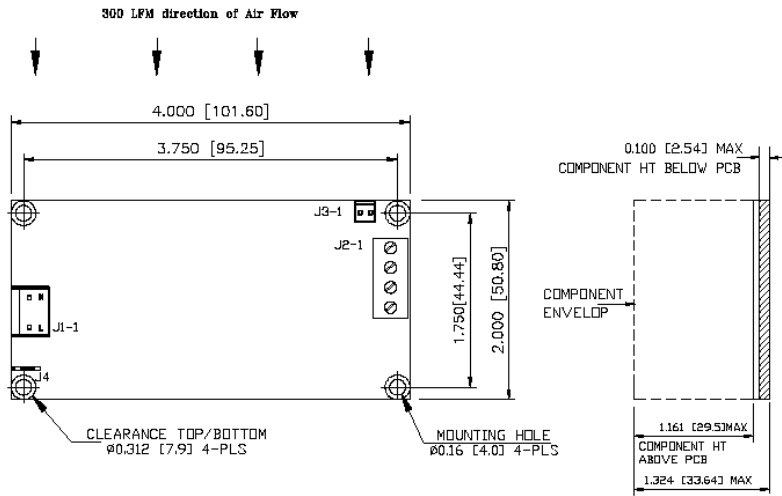
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WLT150 Series

150 Watt Forced Air Cooled AC/DC Power Supplies

New Product



MECHANICAL OUTLINE DIMENSIONS
DIMENSIONS UNIT : INCH [M.M]
GEN. TOLERANCE : +/- 0.020 [0.50]

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	Option-1: Tyco terminal block 1776112-4, 4 pin, Wire : 13 AWG, side entry Option-2: JST : B4P-VH-B-C (LF) (SN), 4 pin, 0.156" Mating Connector: VHR-4M Pins: SXH-002T-P0.6, 22-18 AWG
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)

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	Bell Core 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

Notes

1. Combined output power from V1 & V Fan should not exceed the total output power rating
2. Fan output voltage tolerance is +/- 20%
3. Peak Fan output is 1A

INPUT CONNECTOR J1	
Pin1	AC Line
Pin2	AC Neutral

INPUT SPADE CONNECTOR (CLASS-1 product only)	
GND	AC Ground

OUTPUT CONNECTOR J3	
Pin1	V fan
Pin2	RTN

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

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.



MWLT150 Series

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, Defibrilators, Sleep Apnea devices and many other uses.



New Product

- EOS**
- 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	Description	Voltage/Current	Voltage/Current
		(Convection)	(Fan Cooled)
LFMWLT150-1000	Class 1 with Screw Terminal	5V @ 16A	5V @ 20A
LFMWLT150-1000-2	Class 2 with Screw Terminal	5V @ 16A	5V @ 20A
LFMWLT150-1300	Class 1 with JST Connector	5V @ 16A	5V @ 16A
LFMWLT150-1300-2	Class 2 with JST Connector	5V @ 16A	5V @ 16A
LFMWLT150-1001	Class 1 with Screw Terminal	12V @ 8.33A	12V @ 12.5A
LFMWLT150-1001-2	Class 2 with Screw Terminal		
LFMWLT150-1301	Class 1 with JST Connector		
LFMWLT150-1301-2	Class 2 with JST Connector		
LFMWLT150-1002	Class 1 with Screw Terminal	15V @ 6.67A	15V @ 10A
LFMWLT150-1002-2	Class 2 with Screw Terminal		
LFMWLT150-1302	Class 1 with JST Connector		
LFMWLT150-1302-2	Class 2 with JST Connector		
LFMWLT150-1003	Class 1 with Screw Terminal	24V @ 4.17A	24V @ 6.25A
LFMWLT150-1003-2	Class 2 with Screw Terminal		
LFMWLT150-1303	Class 1 with JST Connector		
LFMWLT150-1303-2	Class 2 with JST Connector		
LFMWLT150-1004	Class 1 with Screw Terminal	48V @ 2.08A	48V @ 3.13A
LFMWLT150-1004-2	Class 2 with Screw Terminal		
LFMWLT150-1304	Class 1 with JST Connector		
LFMWLT150-1304-2	Class 2 with JST Connector		
WLT100-CK	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	230VAC, 115VAC	130A, 65A Max

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	Hiccup
Overload Protection	Primary limited	> 110%
Short Circuit Protection	Auto recovery <6s	Short Term
Ripple and Noise	Up to 20% load Above 20% load	2% <1%
Output Rise Time	All outputs	<100ms

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

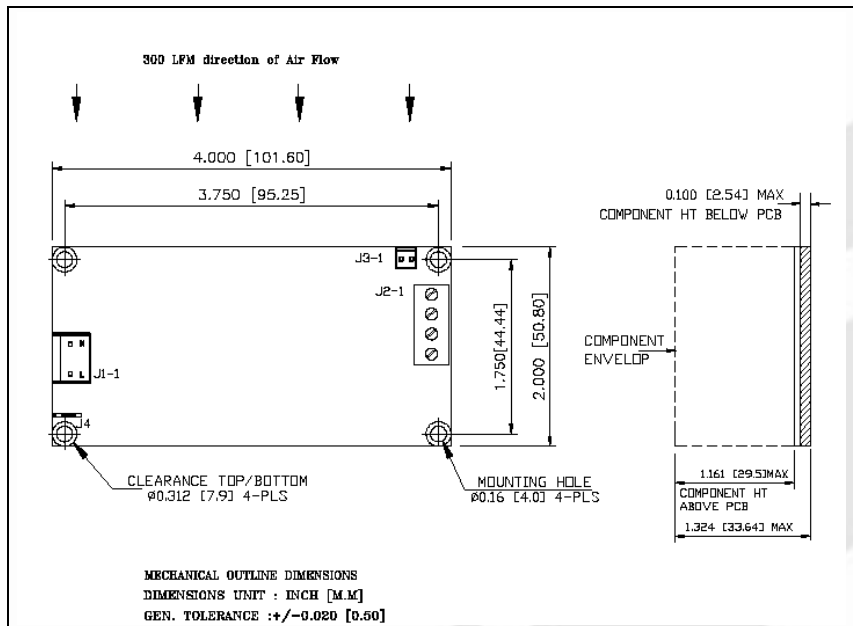
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MWLT150 Series

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

New Product



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	Option-1: Tyco terminal block 1776112-4, 4 pin, Wire : 13 AWG, side entry Option-2: JST : B4P-VH-B-C (LF) (SN), 4 pin, 0.156" Mating Connector: VHR-4M Pins: SXH-002T-P0.6, 22-18 AWG
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)

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	Bell Core 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

INPUT CONNECTOR J1	
Pin1	AC Line
Pin2	AC Neutral

INPUT SPADE CONNECTOR (CLASS-1 product only)	
GND	AC Ground

OUTPUT CONNECTOR J3	
Pin1	V fan
Pin2	RTN

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

Notes

1. Combined output power from V1 & V Fan should not exceed the total output power rating
2. Fan output voltage tolerance is +/- 20%
3. Peak Fan output is 1A

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