WLT200 Series

New Product

Commercial 200 Watt 3 x 5 Inch AC/DC Power Supplies

The WLT200-Series of Open Frame Power Supplies are ideal for Industrial, data networking, telecommunications, process controls,automation products, multimedia and point of sale products and much more.

Available as a Class 1 OR Class 2 product with many special features available as standard.

Features :

- **200 W with Forced Air Cooling.**
- **Small 3x5x1.5 inch form factor.**
- **High efficiency > 88%.**
- **12V Fan O/P**
- **5V Standby O/P**
- **O/P Voltage Adjustability**
- **Remote Sense**

Model Number	Description	Voltage/ Current (Convection)	Voltage/ Current (Fan Cooled)
LFWLT200-1000	Class 1 with Screw Terminal	5V @ 26A	5V @ 35A
LFWLT200-1000-2	Class 2 with Screw Terminal		
LFWLT200-1300	Class 1 with JST Connector		5V @ 26A
LFWLT200-1300-2	Class 2 with JST Connector		
LFWLT200-1001	Class 1 with Screw Terminal	12V @ 13.33A	12V @ 16.67A
LFWLT200-1001-2	Class 2 with Screw Terminal		
LFWLT200-1301	Class 1 with JST Connector		
LFWLT200-1301-2	Class 2 with JST Connector		
LFWLT200-1002	Class 1 with Screw Terminal	15V @ 10.66A	15V @ 13.33A
LFWLT200-1002-2	Class 2 with Screw Terminal		
LFWLT200-1302	Class 1 with JST Connector		
LFWLT200-1302-2	Class 2 with JST Connector		
LFWLT200-1003	Class 1 with Screw Terminal	24V @ 6.66A	24V @ 8.33A
LFWLT200-1003-2	Class 2 with Screw Terminal		
LFWLT200-1303	Class 1 with JST Connector		
LFWLT200-1303-2	Class 2 with JST Connector		
LFWLT200-1004	Class 1 with Screw Terminal	48V @ 3.33A	48V @ 4.17A
LFWLT200-1004-2	Class 2 with Screw Terminal		
LFWLT200-1304	Class 1 with JST Connector		
LFWLT200-1304-2	Class 2 with JST Connector		
LFWLT200-1005	Class 1 with Screw Terminal	30V @ 5.33A	30V @ 6.67A
LFWLT200-1005-2	Class 2 with Screw Terminal		
LFWLT200-1305	Class 1 with JST Connector		
LFWLT200-1305-2	Class 2 with JST Connector		
LFWLT200-CK	Metal cover-kit accessory		

INPUT SPECIFICATION		
AC Input DC Input	Universal	90 to 264VAC 120 to 390VDC (Reduce to half load at 120VDC Input)
Efficiency	5V Other Models	≥ 83% ≥ 86%
Input Frequency		47-63 Hz
Input Current	Full Load at Low line	3.0Arms , max
Inrush Current	230VAC , cold start	65A, max

OUTPUT SPECIFICATION		
Output Power		200W max
Leakage Current	Typical Values	< 300µA
Hold-Up Time	115V/230V	10ms
Peak Power		250W
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	110 –150% of Main o/p Remote ON/OFF reset	Latch Type
Overload Protection	Primary limited	150% of I-Out Max
Short Circuit Protection	Auto recovery <6s	Short Term
Ripple and Noise	Vstby & Main o/p	<2%
Output Rise Time	All outputs	<100ms
Minimum Load	Main o/p Standby o/p	0.0A 0.0A
Power Fail Signal	TTL signal goes low	1ms warning
Power Good Signal	TTL signal goes High after V1 is in regulation	0.1s to 0.5s
Remote Sense	Line Compensation	200mV
Remote on/off	To turn-on PSU, Short Remote pin to GND	Yes
Over temperature Protection	Auto recovery	Yes
Output Adjustability	@ 160W	± 3%
Set point accuracy	Main o/p	Pre-set at ± 1%

WLT200 Series

Commercial 200W Forced Air Cooled AC/DC Power Supplies

ENVIRONMENTAL SPECIFICATION		
Operating Temperature	-20 to 0° C start-up guaranteed For Convection cooled application, Derate output power to 40% of max. from For Forced air cooled application, Derate output power to 50% of max from	-20 to 70° C 41 to 70° C 51 to 70° C
Storage Temperature		-40 to 85° C
Cooling	Convection @ 40° C (5V model) 300LFM Airflow @ 50° C (5V model)	160W (130W) 200W (175W)
Relative humidity	Non condensing	95%, max
MTBF	Bellcore TR332	> 250,000 hrs Minimum
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, 4-4, 4-5, Level 3

EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the LVD
EMC	EN5022-B,CISPR22-B, FCC Part 15 Class B, EN60601-1-2
Agency Approval	UL, c-UL, IEC,EN
Harmonic Correction	EN61000-3-2 Class D
Safety Standard	EN60950-1 Ed 2
Safety file number	E150565 (Eos Power) E340992 (Old ref. / Celetronix power)
Isolation	4.2KVDC Input to Output 2.6KVDC Input to GND
Insulation Resistance	7mOhms Input to Output

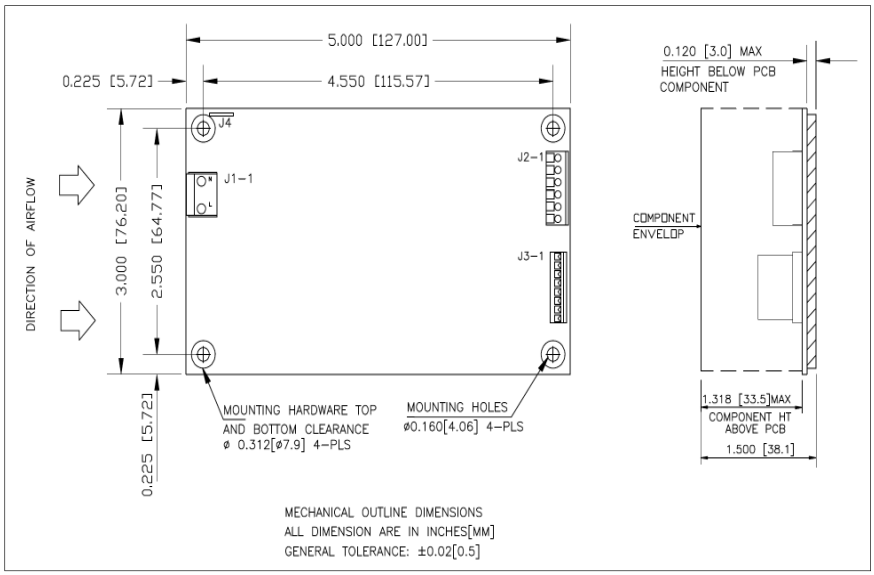
INPUT CONNECTOR J1	
Pin 1	AC Neutral
Pin2	AC Line

OUTPUT CONNECTOR J2	
Pin 1,2,3	RTN
Pin 4,5,6	V1

Earth J4
Quick Disconnect

SIGNAL CONNECTOR J3	
Pin 1	+ve Remote Sense
Pin 2	Vfan (12V/0.5A)
Pin 3	-ve Remote Sense
Pin 4	Remote On/Off
Pin 5	Vstby (5V/1A, ± 5%)
Pin 6	RTN
Pin 7	Power Fail
Pin 8	Power Good

MECHANICAL SPECIFICATION	
AC Input Connector J1	Molex 3 position, 0.156 center 26-60-4030 (Center Pin removed) Mating Connector: Molex 09-50-3031 Pins: 08-50-0106
Ground Connector	Molex 19705-4301 PCB Quick Disconnect Mating: Molex 190030001
DC Output Connector J2 (Screw type terminal)	Tyco,2 x 3 Pin terminal block,2-1776112-3, 3.96mm pitch Mating : Side entry wire 13AWG
DC Output Connector J2 (Header Connector)	CONN,HDR,6 PIN,0.156", PCB mount, JST p/n: B6P-VH-B or B6P-VH (LF)(SN) Mating part no: Housing MPN : VHR-6M ,Housing ,6pin, 0.156"Pitch Crimp/CONTACT PIN MPN : SVH-41T-P1.1
Signal Connector J3	Molex 8 Position,0.1" Center,22-23-2081 Vertical Mating ; Molex,22-01-2087, Pins : 08-50-0113
Size	3 x 5 x 1.5 Inches
Weight	325gms



Notes
Class 1 products have an earthing tab & Class 2 products (-2 suffix) have no earthing tab

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