

MWLT300 and WLT300 Power supply

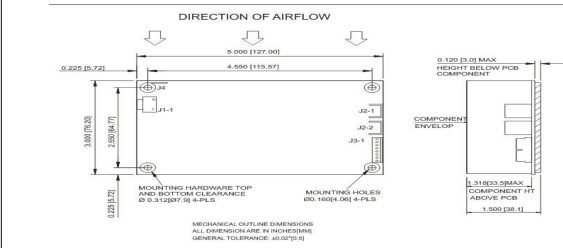


Model Number	RS Order Number	Output	Voltage/Current (Convection)	Voltage/Current (Fan Cooled)
LFMWLT300-1001-3	754-1179	V1	12V @ 15.0A	12V @ 25.00A
LFMWLT300-1002-3	754-1173	V1	15V @ 12.0A	15V @ 20.00A
LFMWLT300-1003-3	754-1182	V1	24V @ 7.50A	24V @ 13.54A
LFMWLT300-1001-II	754-1185	V1	12V @ 15.0A	12V @ 25.00A
LFMWLT300-1002-II	754-1189	V1	15V @ 12.0A	15V @ 20.00A
LFMWLT300-1003-II	754-1198	V1	24V @ 7.50A	24V @ 13.54A
LFWLT300-1000	754-1191	V1	5V @ 28.0A	5V @ 40.00A
LFWLT300-1001	754-1195	V1	12V @ 15.0A	12V @ 25.00A
LFWLT300-1002	754-1205	V1	15V @ 12.0A	15V @ 20.00A
LFWLT300-1003	754-1208	V1	24V @ 7.50A	24V @ 13.54A
LFWLT300-1004	754-1202	V1	48V @ 3.75A	48V @ 6.77A
LFWLT300-1005	754-1211	V1	30V @ 6.00A	30V @ 10.83A
LFWLT300-CK	754-1214	Metal cover Kit Assembly for LFWLT300 series		

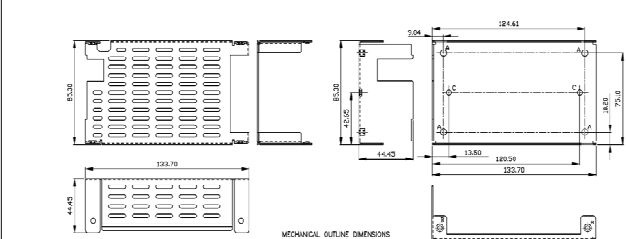
INPUT AC Input DC Input	90 to 264 VAC, Universal 120 to 390VDC.
Efficiency	88% typical
Input Frequency	47—63 Hz
Input Current	3.2Amps , max at 120VAC with Full Load
Inrush Current	65A, max 230VAC , cold start
OUTPUT Output Power	200 to 325W maximum
Leakage Current	250uA at 230VAC
Hold-Up Time	10ms, 120V /230V
Line Regulation	± 0.5%, Low line to high line
Load Regulation	± 2% Min to Max load
Transient Response	50% to full load, Voltage Deviation 10%, Max Recovery Time < 5ms
OVP	110 to 150%, auto recovery
Overload Protection	> 110 to 150% of I-Out max, Primary limited
Short Circuit Protection	Short Term, Auto recovery
Ripple and Noise	< 2% Main o/p
Output Rise Time	<100ms
Minimum Load	0A
Power Good Signal	TTL signal goes High after V1 is in regulation , Delay is 0.1s to 0.3s
Remote Sense	Line Compensation, 200mV
Remote on/off	To turn-on PSU, Short Remote pin to GND
Over temperature Protection	Auto recovery
Output Adjustability	± 3%

ENVIRONMENTAL Operating Temperature	-20 to 70° C, -20 to 0° C start-up guaranteed. For convection cooled application derate o/p power to 50% of max from 41 to 70°C. For Forced air cooled application derate o/p power to 50% of max from 51 to 70°C.
Storage Temperature	- 40°C to +70°C
Cooling	Convection: 140W; 300LFM: 200W (5V model) Convection: 180W; 300LFM: 300W (12V & 15V model) Convection: 180W; 300LFM: 325W (24V,30V & 48V model)
Relative Humidity	95% max, No condensation
MTBF	> 250,000 hrs min, as per Bellcore TR332.
Altitude Operating Altitude Non-Operating	10,000ft 40,000ft
Vibration Operating Vibration Non-Operating	5-9Hz, 2G PK, 0.5 oct/min, 2 cycles; 9-500Hz 0.5 oct/ min, 2cycles
Transients	EN61000-4-2,4-4-5, Level 3
EMI AND SAFETY CE Mark	Complies with the LVD
EMC	EN55022-B, CISPR22-B, FCC Part 15 Class B, EN60601-1-2 Class 2 products meets Class A
Agency Approvals	NEMKO
Safety Standards	ITE : EN60950-1,UL60950-1 (NRTL) MEDICAL: EN60601-1
Safety file number	ITE : NA201210177 / 76, P12215360 / 20 M : P12215460, N069138
Harmonic Correction	EN61000-3-2 Class D
Isolation	5.9KVDC Input to Output (Medical); 4.2KVDC Input to Output (IT) 2.6KVDC Input to GND
Insulation Resistance	7 Mega ohms, Input to Output

Mechanical Specifications for Cover Kit



LFWLT300-CK Cover Kit Drawing



AC Input Connector	J1	Molex: 26-60-4030 Mating: 09-50-3031; Pins: 08-50-0106 or Equivalent
Ground Connector		Molex 19705-4301 PCB Quick Disconnect Mating: Molex 190030001
DC Output Connector (Screw type terminal)	J2	6-32inch Screw Pan HD, Mating: 16AWG wire crimped to Ring Tongue Terminal AMP: 8-31886-1
DC Output Connector (Header Connector)	J2	CONN,HDR,6 PIN,0.156", PCB mount, JST p/n: B6P-VH-B (LF)(SN) Mating part no: Housing MPN : VHR-6M ,Housing ,6 pin, 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		450gms

Signal Connector J3	
Pin 1	Remote ON/OFF
Pin 2	RTN
Pin 3	VFAN (+12V/0.5A)
Pin 4	-VE Remote sense
Pin 5	Vsby (+5V/2A, ± 5%)
Pin 6	+VE Remote sense
Pin 7	RTN
Pin 8	Power Good

Input Connector J1	
Pin 1	AC Line
Pin 2	AC Neutral
Input Spade Connector (CLASS-1 product only)	
Earth J4 (Quick Disconnect)	EARTH

Output Connector J2	
Pin 1	RTN
Pin 2	V1

Note :-
MWLT is medical version & WLT is industrial / IT version.
-II means class 2 medical product without Input Earth pin.
-2 means class 2 Industrial /IT product without Input Earth Pin.