



Model Number	Voltage	Max. Load <sup>2</sup>	Min. Load <sup>5</sup>	Ripple <sup>3</sup>
LFMWLT40-1000	V1=5.1 V	8.0 A	0.0 A	1%
LFMWLT40-1001	V1=12 V	3.5 A	0.0 A	1%
LFMWLT40-1002	V1=15 V	2.7 A	0.0 A	1%
LFMWLT40-1003	V1=24 V	1.7 A	0.0 A	1%
LFMWLT40-1004	V1=48 V	0.83 A	0.0 A	1%
LFMWLT40-3000	V1=5.2 V, V2=12.5 V, V3=-12.8 V	V1=6.0 A, V2=2.0 A, V3=0.5 A	V1=0.5 A, V2=0.1 A, V3=0.0 A	1%
LFMWLT40-3001	V1=5.2 V, V2=24 V, V3=-12.8 V	V1=6.0 A, V2=1.0 A, V3=0.5 A	V1=0.5 A, V2=0.1 A, V3=0.0 A	1%
LFMWLT40-3002	V1=5.2 V, V2=15 V, V3=-15 V	V1=6.0 A, V2=1.5 A, V3=0.5 A	V1=0.5 A, V2=0.1 A, V3=0.0 A	1%
LFMWLT40-3003	V1=3.3 V, V2=5.2 V, V3=-12.8 V	V1=6.0 A, V2=3.0 A, V3=0.5 A	V1=1.0 A, V2=0.1 A, V3=0.0 A	V1=1.5%, V2 & V3=1%
LFWLT60-CK metal cover kit accessory				

Connectors		
J1	Pin 1	AC LINE
	Pin 2	AC NEUTRAL
Spade Connector		EARTH
J2	Pin 1	V1
	Pin 2	V1
	Pin 3	RTN
	Pin 4	RTN
	Pin 5	V3
	Pin 6	V2
J3	Pin 1	+V1 SENSE
	Pin 2	-V1 SENSE

#### Notes

1. For MWLT40-3003 efficiency is 75% typical.
2. Maximum current per output channel. Do not exceed total output power rating.
3. Ripple is peak to peak with 20 MHz bandwidth and 10  $\mu$ F (Electrolytic capacitor) in parallel with a 0.1  $\mu$ F capacitor at rated line voltage and load ranges.
4. Safety approved 47-63 Hz.
5. Min Load specified to meet cross regulation.
6. Class II version available, Add "-II" suffix at the end of the Model Number.
7. Specifications are for nominal input voltage, 25oC and max. load unless otherwise stated.
8. Derate output power linearly to 80% from 90 VAC to 80 VAC input.
9. Please refer mechanical outline drawing for height of component above and below PCB for - 1xxx & 3xxx.



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## Mechanical Specifications

AC Input Connector (J1)	Molex: 26-60-4030 or equivalent Mating: 09-50-3031; Pins: 08-50-0106
EARTH	Molex: 19705-4301 Mating: 190030001
DC Output Connector (J2)	Tyco: 640445-6 or equivalent Mating: 647402-6; Pins: 3-647409-1
Signal Connector (J3)	Molex: 22-23-2021 or equivalent Mating: 22-01-2021
Dimensions	4.0 x 2.0 x 1.2 inches (101.6 x 50.8 x 30.48 mm)
Weight	150 g

## EMC\*

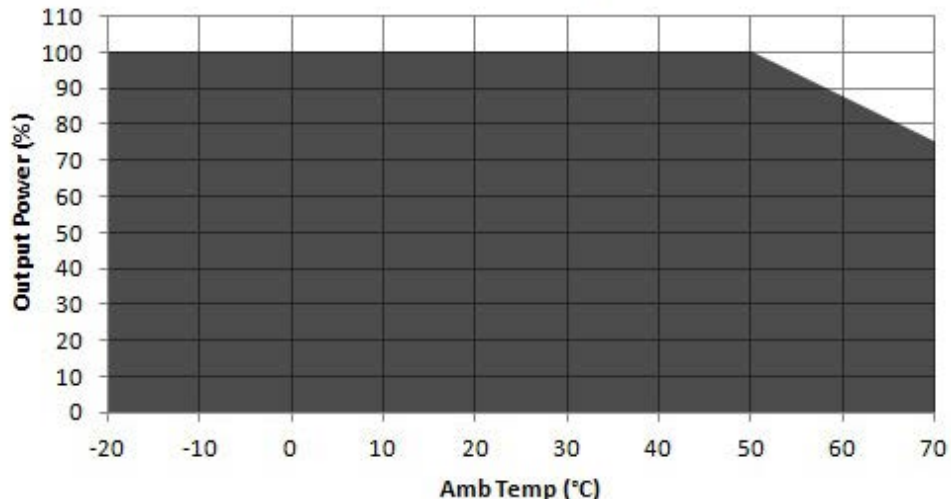
Parameter	Conditions/Description	Criteria
Conducted Emissions	EN 55011-B, CISPR22-B, FCC PART15-B	Pass
Radiated Emissions	EN 55011 B	Pass
Input Current Harmonics	EN 61000-3-2	Class A
Voltage Fluctuation and Flicker	EN 61000-3-3	Pass
ESD Immunity	EN 61000-4-2	Level 4, Criterion A
Radiated Field Immunity	EN 61000-4-3	Level 3, Criterion A
Electrical Fast Transient Immunity	EN 61000-4-4	Level 3, Criterion A
Surge Immunity	EN 61000-4-5	Level 3, Criterion A
Conducted Immunity	EN 61000-4-6	Level 3, Criterion A
Magnetic Field Immunity	EN 61000-4-8	Level 4, Criterion A
Voltage dips, interruptions	EN 61000-4-11	Criterion A & B

## Safety\*

CE Mark	Complies with LVD Directive	
Approval Agency	Nemko, UL, C-UL	
Safety Standard(s)	EN60601-1, IEC60601-1 (ed.3), ANSI / AAMI ES 60601 - 1, CSA C22.2 No. 60601-1	
*Safety File Number(s)	Class I : Nemko: P13216549, N072791	UL/C-UL: E173812
	Class II : Nemko: P13216630, N073023	UL/C-UL: E173812

## Derating Curve

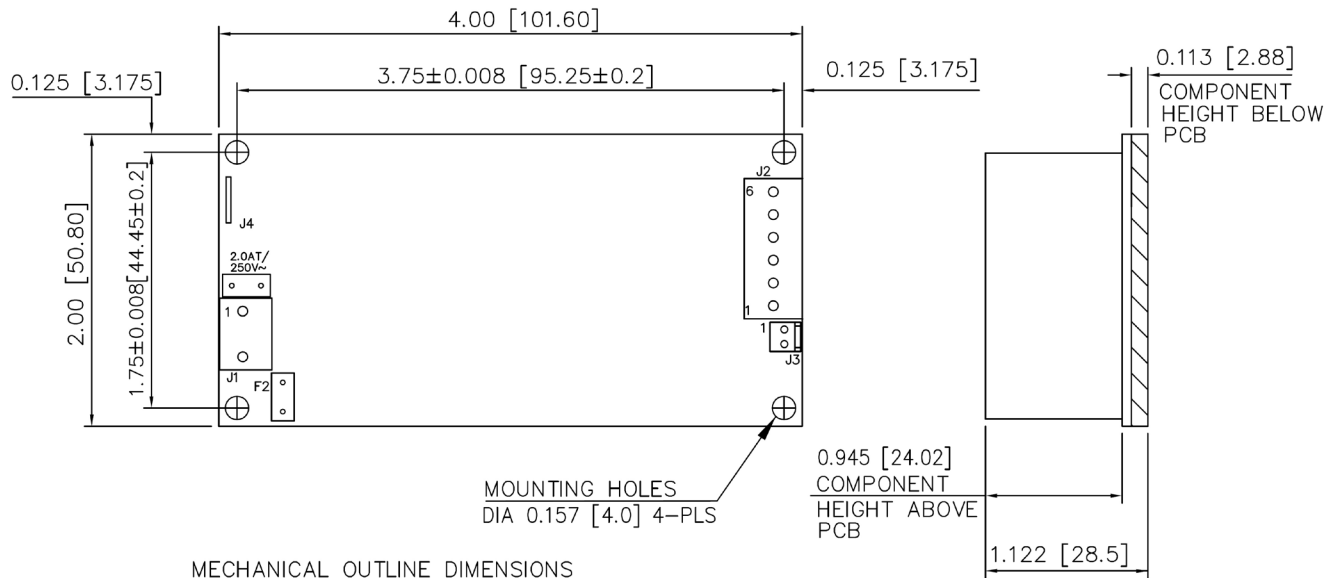
### Power de-rating



De-rate linearly from 100% at 50°C to 75% at 70°C

## Mechanical Drawing

### MWLT40 - 1xxx



MECHANICAL OUTLINE DIMENSIONS  
ALL DIMENSIONS ARE IN INCHES[MM]  
GEN TOLERANCE : +/-0.04[+/-1.0mm]

Notes: In case the PCB is mounted in a metal enclosure, using metal hardware ensure the following

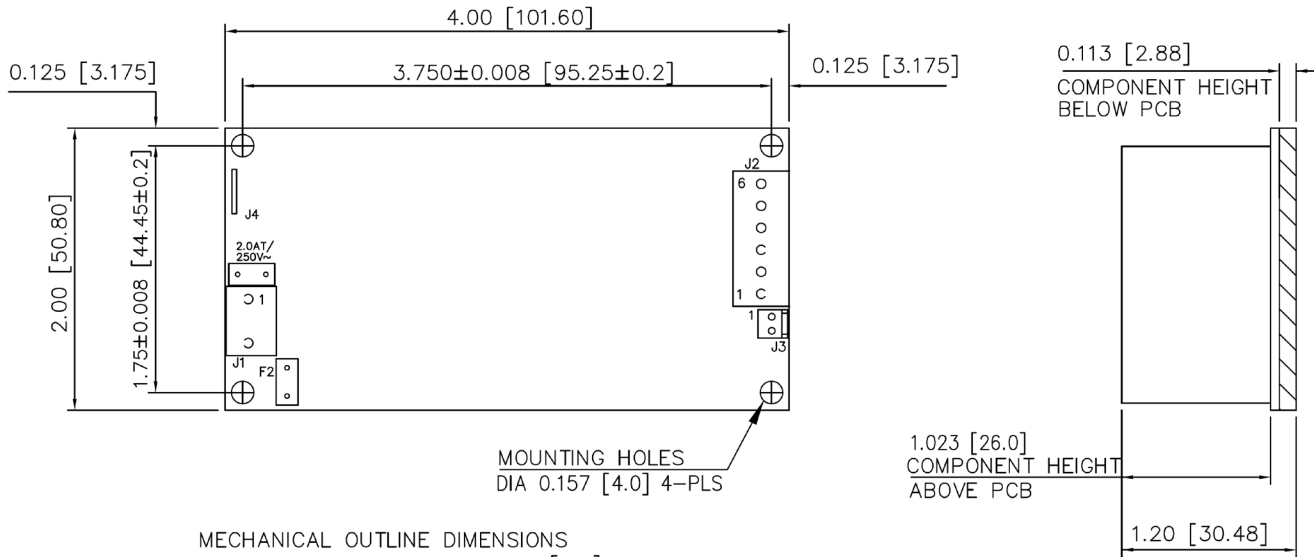
1. Stand off, used to mount PCB has OD of 5.4 mm max.
2. Screws, used to fix PCB on stand off, have head dia of 6.0 mm max.
3. Washer, if used, to have dia of 6.5 mm max.



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## Mechanical Drawing

### MWLT40 - 3xxx



MECHANICAL OUTLINE DIMENSIONS  
 ALL DIMENSIONS ARE IN INCHES[MM]  
 GEN.TOLERANCE: +/−0.04 [+/-1.0mm]

Notes: In case the PCB is mounted in a metal enclosure, using metal hardware ensure the following

1. Stand off, used to mount PCB has OD of 5.4 mm max.
2. Screws, used to fix PCB on stand off, have head dia of 6.0 mm max.
3. Washer, if used, to have dia of 6.5 mm max.