

| Model Number | Voltage | Max. Load ² | Min. Load ⁶ | Ripple ³ |
|--------------------------------------|------------------------------------|---------------------------------|---------------------------------|------------------------|
| LFMWLT60-1000 | V1=5.1 V | 10.0 A | 0.0 A | 1% |
| LFMWLT60-1001 | V1=12 V | 5.4 A | 0.0A | 1% |
| LFMWLT60-1002 | V1=15 V | 4.33 A | 0.0 A | 1% |
| LFMWLT60-1003 | V1=24 V | 2.7 A | 0.0 A | 1% |
| LFMWLT60-1004 | V1=48 V | 1.35 A | 0.0 A | 1% |
| LFMWLT60-3000 | V1=5.2 V, V2=12.5 V, V3=-12.8 V | V1=8.0 A, V2=3.0 A, V3=0.5 A | V1=0.5 A, V2=0.1 A, V3=0.0 A | 1% |
| LFMWLT60-3001 | V1=5.2 V, V2=24 V, V3=-12.8 V | V1=8.0 A, V2=1.5 A, V3=0.5 A | V1=0.5 A, V2=0.1 A, V3=0.0 A | 1% |
| LFMWLT60-3002 | V1=5.2 V, V2=15 V, V3=-15 V | V1=8.0 A, V2=2.5 A, V3=0.5 A | V1=0.5 A, V2=0.1 A, V3=0.0 A | 1% |
| LFMWLT60-3003 | 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

- For MWLT60-3003 efficiency is 75% typical.
- Single output models deliver 65 W, except MWLT60-1000 (50 W).
Triple output models deliver 60 W, except MWLT60-3003 (45 W).
- Maximum current per output channel. Do not exceed total output power rating.
- Ripple is peak to peak with 20 MHz bandwidth and 10 μ F (Electrolytic capacitor) in parallel with a 0.1 μ F capacitor at rated line voltage and load ranges.
- Safety approved 47-63 Hz.
- Min Load specified to meet cross regulation.
- Class II version available, Add "-II" suffix at the end of the Model Number.
- Specifications are for nominal input voltage, 25°C and max. load unless otherwise stated.
- Derate output power linearly to 80% from 90 VAC to 80 VAC input.
- Please refer mechanical outline drawing for height of component above and below PCB for -1xxx & 3xxx.
- When used in Cover Kit, de-rate output power to 70 % under all operating conditions.



Innovations in Power

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*

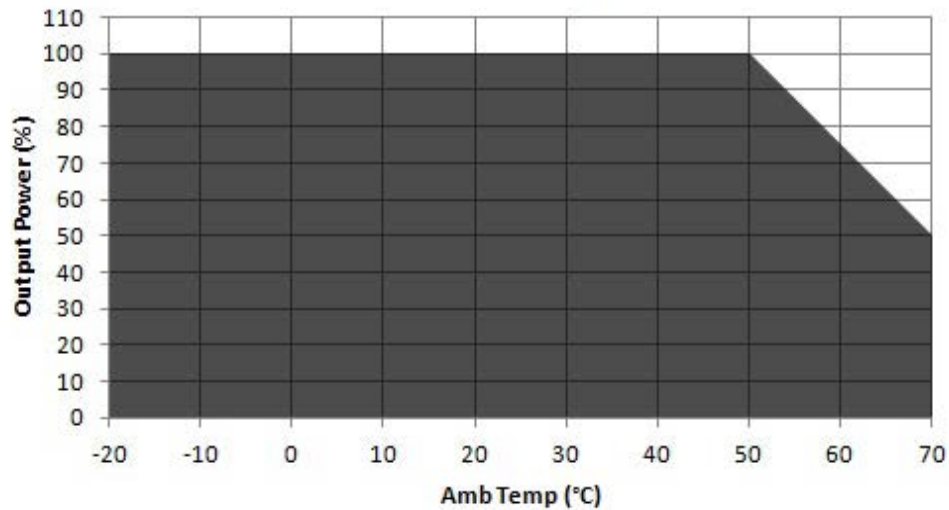
| Parameter | Conditions/Description | Criteria |
|------------------------------------|-------------------------------------|----------------------|
| Conducted Emissions | EN 55011-B, CISPR22-B, FCC PART15-B | Pass |
| Radiated Emissions | EN 55011 B | Pass |
| Input Current Harmonics | EN 61000-3-2 | 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: P16220642, NO90138 | UL/C-UL: E173812 |
| | Class II : Nemko: P13216630, NO73023 | UL/C-UL: E173812 |

Derating Curve

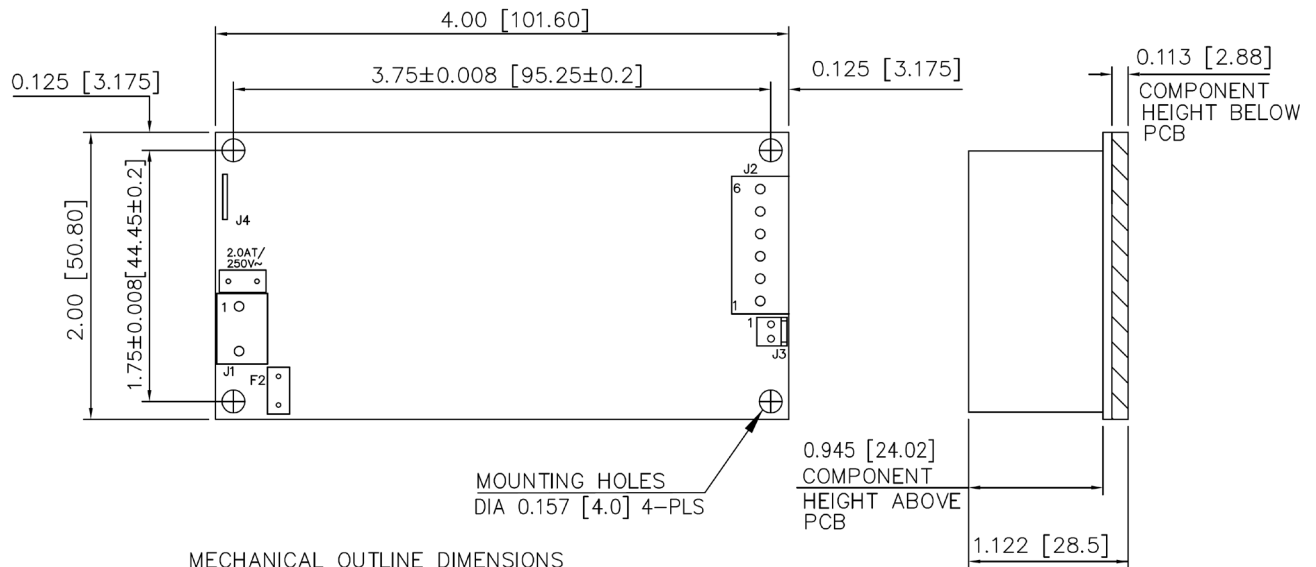
Power de-rating



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

Mechanical Drawing

MWLT60 - 1xxx



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

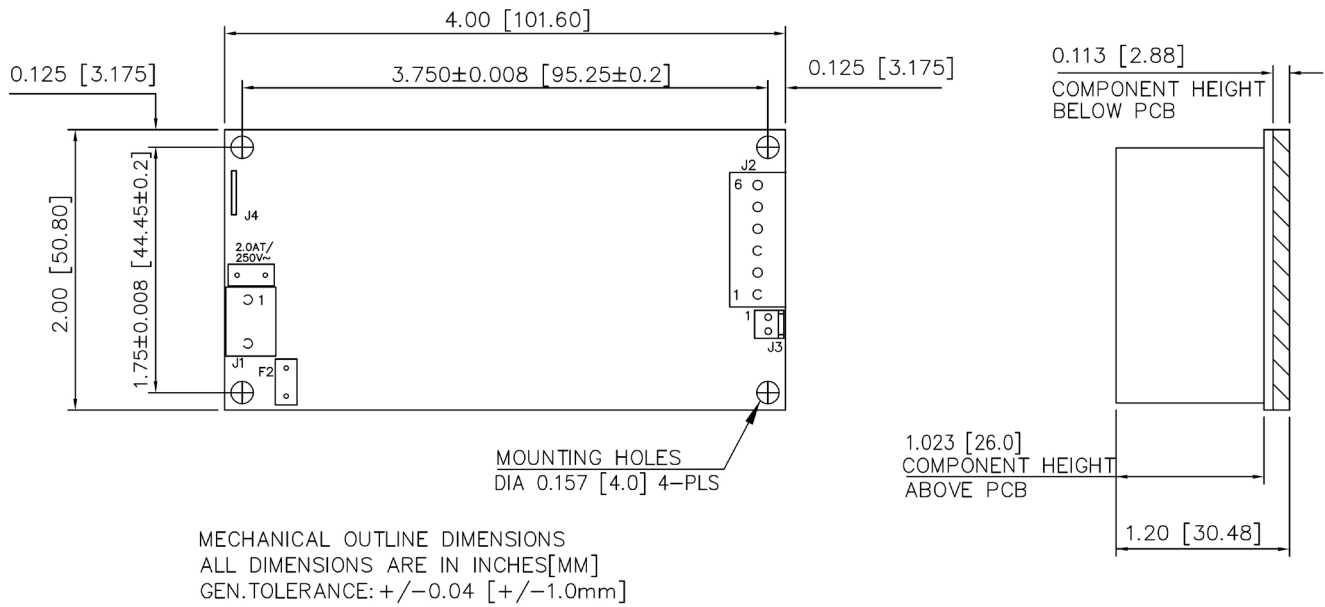
1. Stand off, used to mount PCB has OD of 5.4 mm max.
2. Screws, used to fix PCB on stand off, have head dia of 6.0 mm max.
3. Washer, if used, to have dia of 6.5 mm max.



Innovations in Power

Mechanical Drawing

MWLT60 - 3xxx



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.