

LED Driver

Product Specifications

ANZ#: Z107f, May 18, 2009

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| LP1017-xx Series | |
| Switch-Mode LED Driver | |
| Total Power | 17 Watts |
| Input Voltages | 90 ~ 264 VAC or 100-277VAC |
| Number of Outputs | One |

SPECIAL FEATURES ELECTRICAL SPECIFICATIONS

- UL48, Class 2 compliant
- Single output, constant current or constant voltage design
- IP66 compliant
- Suitable for dry or damp locations
- Designed for outdoor or indoor applications
- Convection cooled in plastic enclosure
- Compact, lightweight
- Active PFC reduces power consumption

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| Input range | 90 ~ 264 VAC, Full range or 100~277VAC |
| Frequency | 47 to 63 Hz |
| Power Factor | > 0.92 at full load, 115VAC |
| Crest Factor | 1.5 max. |
| Inrush current | 10.0 Amps maximum at 230VAC, cold start, 25° C |
| Input current | 0.3 Amps maximum at 115VAC |
| Efficiency | 82% typical at maximum load |
| EMI filtering | 47CFR, Part 2, Part 15 and Cispr PUB, 22 Class B |
| Maximum power | 17W |
| Current Accuracy | ±1% (when applicable) |
| Load regulation | ±3% |
| Leakage Current | 300uA typ. |
| Hold up time | Half cycle minimum at 120 VAC and 80% of rated load |
| Protection | Over-voltage, Over current and Short circuit protection: Auto-recovery |

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| ENVIRONMENTAL | |
| Operating temperature: | -30 to 60 ° C (De-rating : 1% per ° C from 60~70°C) |
| Storage temperature: | -40 to +85° C |
| Humidity (Non-Condensing): | 5% to 95% |
| Cooling: | Convection |
| Vibration Frequency: | 5 to 50 Hz |
| MTBF: | >100,000 Hours at full load and 25°C ambient conditions (MIL-217F) |
| EMC : | Compliant to 47CFR, Part 2, Part15 and Cispr PUB, 22 Class B |

SAFETY

| | |
|-----|--------------------------|
| UL | UL48, Class 2 compliant |
| cUL | CUL48, Class 2 compliant |
| CE | |

| Model Number | Constant Voltage Mode | | | Model Number | Constant Current Mode | | |
|--------------|-----------------------|--------|-------|-----------------|-----------------------|-----------|-------|
| | V (DC) | A (mA) | Watts | | V (DC) | A (mA) | Watts |
| LP1017-36 | 36, ±5% | 470 | 17 | LP1017-36-C0470 | 18~ 36 | 470, ±5% | 17 |
| LP1017-24 | 24, ±5% | 700 | 17 | LP1017-24-C0700 | 12~ 24 | 700, ±5% | 17 |
| LP1017-12 | 12, ±5% | 1400 | 17 | LP1017-12-C1400 | 6 ~ 12 | 1400, ±5% | 17 |

Note: The output current of Constant Current models are adjustable at factory from 50% ~ 100%.
The minimum load required is 40% for the Constant Voltage versions.

MECHANICAL DRAWING

