

# LED Power Supply

# Product Specifications

ANZ#: Z099e, July 31, 2006

| LP4240-XX-YZ-E Series<br>Switch-Mode LED Driver |               |
|---|---------------|
| Total Power                                     | 240 Watts     |
| Input Voltages                                  | 90-264 VAC    |
| Number of Outputs                               | Three or Four |

## SPECIAL FEATURES      ELECTRICAL SPECIFICATIONS

- Three (3) or Four (4) independent Class 2 outputs
- In compliance to EN61000-3-2, -3-3 Class D
- Low Inrush Current maximize number of hookup
- Incompliance to NEMA3, IP66 standards
- Suitable for damp or dry locations
- Suitable for wet location w/adequate connectors
- Aluminum extrusion enclosure, convection cool
- OCP, OTP and SCP w/ auto-recovery
- DIN Rail Mounting – Optional

|                 |   |
|-----------------|---|
| Input range     | 90 to 264 VAC, Full range   |
| Frequency       | 47 to 63 Hz   |
| Power Factor    | > 0.95 at full load, 115VAC   |
| Inrush current  | 5.0 Amps maximum at 115VAC, cold start, 25° C                       |
| Input current   | 3.0Amps maximum at 115VAC   |
| Efficiency      | 85% typical at 230VAC and maximum load                              |
| EMI filtering   | 47CFR, Part 2, Part 15 and Cispr PUB, 22 Class A                    |
| Maximum power   | 240W total  |
| Line Regulation | 1%  |
| Load Regulation | ±3%   |
| Ripple Noise    | 3% typ.   |
| Leakage Current | 2mA @ 110VAC, 4mA @ 230VAC  |
| Hold up time    | Half cycle minimum at 120 VAC and 80% of rated load                 |
| Protection      | Over-voltage, Over-current, Over-temp. and Short circuit protection |

## ENVIRONMENTAL

|                            |  |
|----------------------------|--|
| Operating temperature:     | -30 to 70 ° C<br>(De-rating : 2.5% per °C from 50°C~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/cUL | UL48, Class 2 |
| CE     | Certified     |

## MODEL INFORMATION

| Model #        | DC Output           |                     |                     |                     | Output per Channel (Watts) | Total Output (Watts) |
|----------------|---------------------|---------------------|---------------------|---------------------|----------------------------|----------------------|
|                | Channel 1 (VDC/Amp) | Channel 2 (VDC/Amp) | Channel 3 (VDC/Amp) | Channel 4 (VDC/Amp) |                            |                      |
| LP4240-12-YZ-E | 12VDC               | 12VDC               | 12VDC               | 12VDC               | 60                         | 240                  |
|                | 0 ~ 5 Amp           | 0 ~ 5 Amp           | 0 ~ 5 Amp           | 0 ~ 5 Amp           |                            |                      |
| LP4240-15-YZ-E | 15VDC               | 15VDC               | 15VDC               | 15VDC               | 60                         | 240                  |
|                | 0 ~ 4 Amp           | 0 ~ 4 Amp           | 0 ~ 4 Amp           | 0 ~ 4 Amp           |                            |                      |
| LP4240-24-YZ-E | 24VDC               | 24VDC               | 24VDC               | 24VDC               | 60                         | 240                  |
|                | 0 ~ 2.5 Amp         | 0 ~ 2.5 Amp         | 0 ~ 2.5 Amp         | 0 ~ 2.5 Amp         |                            |                      |
| LP3240-24-YZ-E | 24VDC               | 24VDC               | 24VDC               | ---                 | 80                         | 240                  |
|                | 0 ~ 3.3 Amp         | 0 ~ 3.3 Amp         | 0 ~ 3.3 Amp         | ---                 |                            |                      |

## MECHANICAL DRAWING

### Model Information – Single DC output

- LP4240-XX-YZ-E and LP3240-XX-YZ-E**
- XX – DC outputs
  - Y – AC input connector (J – Junction Box)
  - Z – DC output connector (G – Gland, T – Terminal Block or J – Junction Box)
  - E – Aluminum extrusion enclosure length (Refer to mechanical drawing)

# MECHANICAL DRAWING ( PRELIMINARY )

