

TLD1040-12

Description:

The TLD1040-12 is a compact and lightweight Constant Voltage Switch Mode Power Supply. Waterproof design within a 2x4 J box, IP66, NEMA 4 suitable for dry and damp locations. Convection cooled plastic housing. Designed for outdoor and indoor applications. Some typical applications include LED's, Lighting, etc.

Specifications (@25C)

Electrical Specifications:

| | |
|-----------------------------------|---------------------------------------------------------------------------|
| Input Voltage: | 90-264Vac |
| Input Frequency Range (1): | 47-63Hz |
| Max Input Current: | 0.5A @ 115Vac; 0.25A @ 230Vac |
| Max Inrush Current: | <5A@115Vac, 10A@220Vac |
| Power Factor: | >0.9 at full load, 115Vac |
| Output: | 12Vdc±5%, 3.33Adc Max |
| Crest Factor (Ipk): | 1.5 Max. |
| Leakage Current: | 300µA Typical |
| Efficiency: | 84% Typical at full load |
| Current Accuracy: | ±1% (when applicable) |
| Load Regulation: | ±3% |
| Hold up time: | Half cycle minimum at 120 VAC and 80% of rated voltage |
| Protection: | Over-voltage, Over current and Short circuit protection: Auto-recovery |

Environmental Specifications:

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|-------------------------------|----------------------------------------------------------------|
| Operating Temperature: | -30 to 60°C (De-rating: 1%/°C from 60-70°C) |
| Storage Temperature: | -40 to 85°C |
| Operating Humidity: | 5 to 95% RH (non-Condensing) |
| Cooling: | Convection cooling |
| Vibration: | 5 to 50Hz |
| MTBF: | >100,000 Hours at full load and 25°C ambient conditions |
| EMC: | Compliant to 47CFR, Part 2, Part 15 and Cispur PUB, 22 Class B |

General Specifications:

| | |
|----------------------------|-------------------------------------------|
| Connections: | 5in leads - Input: 18 AWG; Output: 18 AWG |
| Dimensions (WxLxH): | 70.0x95.0x32.0mm |
| Weight: | 220g |
| Warranty: | 3 years @ 40°C, 100% Load |

Safety Standards:

| | |
|-------------------|---------------------------|
| Standards: | UL (cUL) 1310, UL48 CE |
|-------------------|---------------------------|



RoHS Compliance: This power supply meets the requirements 2002/95/EC, know as the RoHS initiative.

* Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.

