

### Switch Mode Power Supplies Encapsulated Constant Voltage

## **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: Input Frequency Range: Max Input Current: Max Inrush Current: Power Factor: Output: Crest Factor (Ipk): Leakage Current: Efficiency: Current Accuracy: Load Regulation: Hold up time: Protection: 100-304Vac<sup>1</sup> 47-63Hz 0.5A @ 115Vac; 0.25A @ 230Vac <5A@115Vac, 10A@220Vac >0.9 at full load, 115Vac 12Vdc±5%, 3.33Adc Max 1.5 Max. 300µA Typical 84% Typical at full load ±1% (when applicable) ±3% Half cycle minimum at 120 VAC and 80% of rated voltage Over-voltage, Over current and Short circuit protection: Auto-recovery

#### Environmental Specifications: Operating Temperature:

Storage Temperature:

Operating Humidity:

Cooling:

MTBF:

EMC:

Vibration:

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

#### **General Specifications:**

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

#### Safety Standards:

Standards:

UL (cUL) 1310, UL48

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**RoHS Compliance:** As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 initiative.

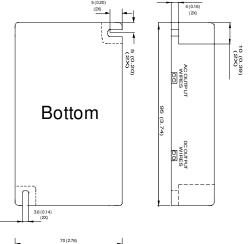
\* Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.

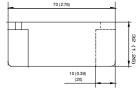
#### <sup>1</sup> Parts manufactured before November, 2010 have an input voltage range of 90 – 264VAC.

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