

## **Switch Mode Power Supplies Encapsulated Constant Current**

## TLD1040-36-C1050

### **Description:**

The TLD1040-36-C1050 is a compact and lightweight Constant Current 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 (lpk): Leakage Current: Efficiency: Current Accuracy: Load Regulation: Hold up time: Protection:

100-304Vac1 47-63Hz 0.5A @ 115Vac; 0.25A @ 230Vac <5A@115Vac, 10A@230Vac >0.9 at full load, 115Vac 1.050Adc±5%, 18-36Vdc 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:** -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) 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:

Cooling:

MTBF:

EMC:

Vibration:

Standards:

UL (cUL) 1310, UL48

# CE FCC

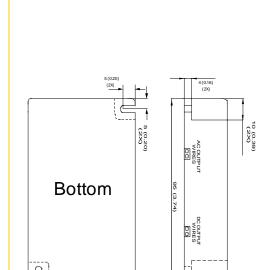
RoHS Compliance: As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 initiative.

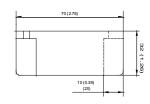
\* Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.

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

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