

# online components. Switch Mode Power Supplies Encapsulated Constant Current

## TLD1040-24-C1050

#### **Description:**

The TLD1040-24-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: 100-304Vac<sup>1</sup>
Input Frequency Range: 47-63Hz

 Max Input Current:
 0.5A @ 115Vac; 0.25A @ 230Vac

 Max Inrush Current:
 <5A @ 115Vac; 10A @ 230Vac</td>

 Power Factor:
 >0.9 at full load, 115Vac

 Output:
 1.050Adc±5%, 12-24Vdc

Crest Factor (lpk): 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



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 conditionsEMC:Compliant to 47CFR, Part 2, Part 15 and Cispr PUB, 22

Class B

#### **General Specifications:**

Connections: 5in leads - Input: 18 AWG; Output: 18 AWG

Dimensions (WxLxH): 70.0x95.0x32.0mm

Weight: 220

Warranty: 3 years @ 40°C, 100% Load

#### **Safety Standards:**

Standards: UL (cUL) 1310, UL48



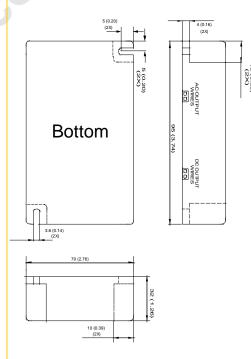
RoHS Compliance: This power supply meets the requirements 2002/95/EC, know as the RoHS initiative.

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Web: www.TriadMagnetics.com Phone 951-277-0757 Fax 951-277-2757

22520B Temescal Canyon Road Corona, California 92883





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