

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: 100-304Vac1 Input Frequency Range: 47-63Hz

0.5A @ 115Vac; 0.25A @ 230Vac **Max Input Current: Max Inrush Current:** <5A@115Vac, 10A@230Vac **Power Factor:** >0.9 at full load, 115Vac Output: 1.050Adc±5%, 12-24Vdc

Crest Factor (lpk): 1.5 Max. Leakage Current: 300µA Typical

84% Typical at full load Efficiency: **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:

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 Cispr PUB, 22

Class B

General Specifications:

Connections: Dimensions (WxLxH): 5in leads - Input: 18 AWG; Output: 18 AWG

70.0x95.0x32.0mm

Weight:

Warranty: 3 years @ 40°C, 100% Load

Safety Standards:

Standards: UL (cUL) 1310, UL48

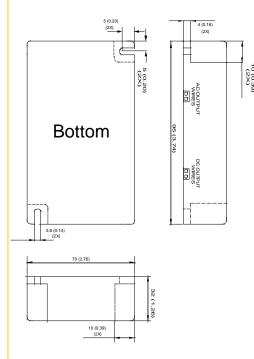


RoHS Compliance: This power supply meets the requirements 2002/95/EC, know as the RoHS initiative.

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¹ Parts manufactured before November, 2010 have an input voltage range of 90 – 264VAC.