TRIAD MAGNETICS

Switch Mode Power Supplies
Encapsulated Constant Current

TLD1040-24-C1050

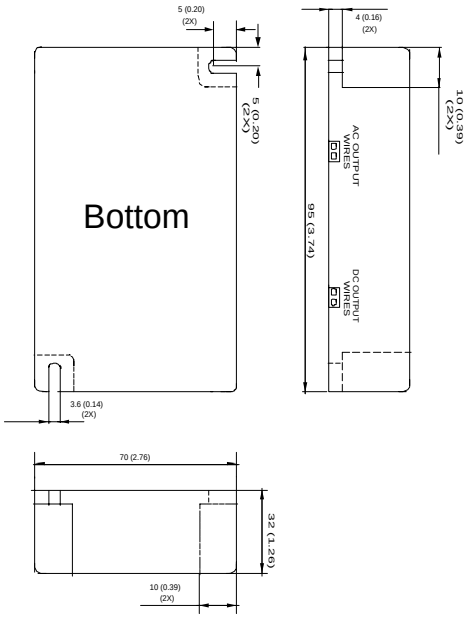
Description:

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[1]
Input Frequency Range:	47-63Hz
Max Input Current:	0.5A @ 115Vac; 0.25A @ 230Vac
Max Inrush Current:	<5A@115Vac, 10A@230Vac
Power Factor:	>0.9 at full load, 115Vac
Output:	1.050Adc±5%, 12-24Vdc
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:

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:	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: As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS initiative.

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

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

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Publish Date: December 4, 2013