

### 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  |
| 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:<br>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 Cisp 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                 |

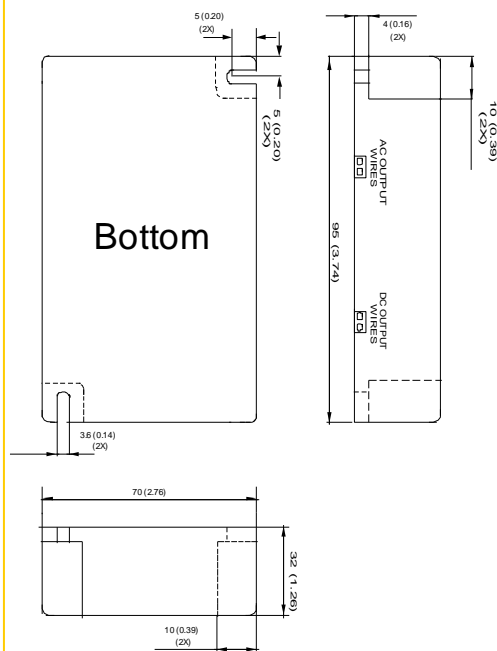
##### Safety Standards:

|            |                           |
|------------|---------------------------|
| Standards: | UL (cUL) 1310, UL48<br>CE |
|------------|---------------------------|



**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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Triad Magnetics:](#)

[TLD1040-24-C1050](#)