



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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### 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:

|                                       |   |
|---------------------------------------|---|
| <b>Input Voltage:</b>                 | 100-304Vac <sup>1</sup>   |
| <b>Input Frequency Range:</b>         | 47-63Hz   |
| <b>Max Input Current:</b>             | 0.5A @ 115Vac; 0.25A @ 230Vac   |
| <b>Max Inrush Current:</b>            | <5A@115Vac, 10A@230Vac  |
| <b>Power Factor:</b>                  | >0.9 at full load, 115Vac   |
| <b>Output:</b>                        | 1.050A <sub>dc</sub> ±5%, 12-24V <sub>dc</sub>                            |
| <b>Crest Factor (I<sub>pk</sub>):</b> | 1.5 Max.  |
| <b>Leakage Current:</b>               | 300µA Typical   |
| <b>Efficiency:</b>                    | 84% Typical at full load  |
| <b>Current Accuracy:</b>              | ±1% (when applicable)   |
| <b>Load Regulation:</b>               | ±3%   |
| <b>Hold up time:</b>                  | Half cycle minimum at 120 VAC and 80% of rated voltage                    |
| <b>Protection:</b>                    | Over-voltage, Over current and Short circuit protection:<br>Auto-recovery |

##### Environmental Specifications:

|                               |  |
|-------------------------------|--|
| <b>Operating Temperature:</b> | -30 to 60°C (De-rating: 1%/°C from 60-70°C)                    |
| <b>Storage Temperature:</b>   | -40 to 85°C  |
| <b>Operating Humidity:</b>    | 5 to 95% RH (non-Condensing)                                   |
| <b>Cooling:</b>               | Convection cooling   |
| <b>Vibration:</b>             | 5 to 50Hz  |
| <b>MTBF:</b>                  | >100,000 Hours at full load and 25°C ambient conditions        |
| <b>EMC:</b>                   | Compliant to 47CFR, Part 2, Part 15 and Cispur PUB, 22 Class B |

##### General Specifications:

|                            |   |
|----------------------------|---|
| <b>Connections:</b>        | 5in leads - Input: 18 AWG; Output: 18 AWG |
| <b>Dimensions (WxLxH):</b> | 70.0x95.0x32.0mm                          |
| <b>Weight:</b>             | 220g                                      |
| <b>Warranty:</b>           | 3 years @ 40°C, 100% Load                 |

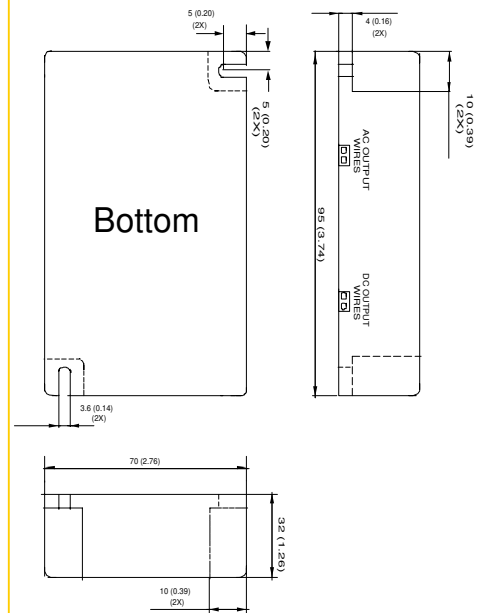
##### Safety Standards:

|                   |                           |
|-------------------|---------------------------|
| <b>Standards:</b> | UL (cUL) 1310, UL48<br>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.



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