TRIAD MAGNETICS

**Switch Mode Power Supplies**
**Encapsulated Constant Current**

# TLD1020-36-C0350

**For Illustration Only**

## Description:

The TLD1020-36-C0350 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:** | 0.6A @ 115Vac; 0.3A @ 230Vac |
| **Max Inrush Current:** | <5A@115Vac, 10A@220Vac |
| **Power Factor:** | >0.9 at full load, 115Vac |
| **Output:** | .350Adc±5%, 18-36Vdc |
| **Crest Factor (Ipk):** | 1.5 Max. |
| **Leakage Current:** | 300µA Typical |
| **Efficiency:** | 84% Typical at full load |
| **Maximum power:** | 20W |
| **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:

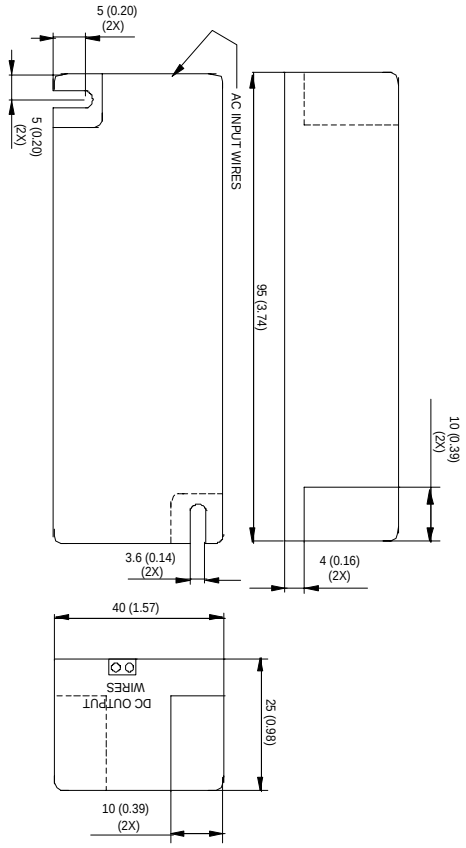
| | |
|---|---|
| **Operating Temperature:** | -30 to 60°C (De-rating: 1%/°C from 60-70°C) |
| **Storage Temperature:** | -40 to 85°C |
| **Operating Humidity:** | 5 to 95% RH (non-Condensing) |
| **Cooling:** | Convection cooling |
| **Vibration:** | 5 to 50Hz |
| **MTBF:** | >100,000 Hours at full 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, Black (-), Purple (+) |
| **Dimensions (WxLxH):** | 40.0x95.0x25mm |
| **Weight:** | 120g |
| **Warranty:** | 3 years @ 40°C, 100% Load |

### Safety Standards:

| | |
|---|---|
| **Standards:** | 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.

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