

## Triad Magnetics

460 Harley Knox Blvd

Perris CA 92571

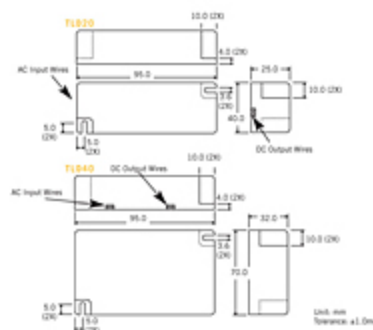
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Item # TLD1020-24-C0700, TLD1020/40 Series - 20-40 Watt (W)  
Single Output Encapsulated Switching Power Supplies

## 20-40 Watt Single Output Encapsulated Switching Power Supply with PFC for Indoor & Outdoor IP66/NEMA 4 Applications



[Check Stock](#) | [Specifications](#) | [Input Characteristics](#) | [Output Characteristics](#) | [General Specifications](#) | [Environmental Specifications](#) | [EMC & Safety Specifications](#) | [Connector Types](#)

## Check Stock

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## Specifications

Type	Constant Current Models
Voltage	12 to 24 V (DC)
Current (DC)	700 mA
Efficiency	84 %

## Input Characteristics



<b>Input Voltage (AC)</b>	100 to 304 V
<b>Input Frequency Range</b>	47 to 63 Hz
<b>Power Factor</b>	0.9 at Full Load & 115 VAC
<b>Maximum Crest Factor (Ipk)</b>	1.5
<b>Maximum Input Current at 115/230 VAC</b>	0.15 A 0.3 A
<b>Maximum Inrush Current at 115 / 230 VAC (Cold Start)</b>	5 A 10 A

## Output Characteristics



<b>Adjustable Output Range</b>	Fixed
<b>Set Point Accuracy</b>	±5 %
<b>Current Accuracy</b>	±1% (when applicable)
<b>Ripple and Noise</b>	±5 %
<b>Load Regulation</b>	±3.0 %
<b>Line Regulation</b>	±3.0 %
<b>Minimum Hold-up Time, at 120 VAC &amp; 80% Load</b>	1/2 Cycle
<b>Over Current Protection (Auto-recovery)</b>	120 %
<b>Over Voltage Protection (Auto-recovery)</b>	120 %

## General Specifications



<b>Length (L)</b>	3.74 in 95 mm
<b>Width (W)</b>	1.57 in 40 mm
<b>Height (H)</b>	0.97 in 25 mm
<b>Weight</b>	120 g
<b>Reliability (MTBF)</b>	>100k hrs. (Full Load & 25 °C Operation)
<b>Warranty</b>	3 years

## Environmental Specifications

<b>Operating Temperature</b>	-30 to +60 Full Load, derate 1%/°C from 60 to 70 max °C
<b>Storage Temperature</b>	-40 to +85 °C
<b>Cooling</b>	Convection Cooled Operation
<b>Humidity</b>	5 to 95 % RH, non-condensing
<b>Vibration</b>	5 to 50 Hz, 2G 1 min/cycle, period of 60 min, each axis.

## EMC & Safety Specifications

<b>EMC Emissions</b>	Compliant to 47CFR, Part 2, Part 15 and CispR PUB, 22
<b>Class B Safety Approval</b>	CE Mark (LVD) UL/cUL 1310 UL48

## Connector Types

<b>Input Wire</b>	18 AWG
<b>Input Leads</b>	5 in

<b>Output Wire</b>	18 AWG
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<b>Output Leads</b>	5 in
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