## C A

## Switch Mode Power Supplies Encapsulated Constant Current

## TLD1020-24-C0700

## Description:

The TLD1020-24-C0700 is a compact and lightweight Constant Current Switch Mode Power Supply. Waterproof design within a $2 \times 4$ 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:
Input Frequency Range (1):
Max Input Current:
Max Inrush Current:
Power Factor:
Output:
Crest Factor (lpk):
Leakage Current:
Efficiency:
Maximum power:
Current Accuracy:
Load Regulation:
Hold up time:
Protection:

## 90-264Vac

$47-63 \mathrm{~Hz}$
0.6A @ 115Vac; 0.3A @ 230Vac
<5A@115Vac, 10A@220Vac
$>0.9$ at full load, 115Vac
$.700 \mathrm{Adc} \pm 5 \%, 12-24 \mathrm{Vdc}$
1.5 Max.
$300 \mu \mathrm{~A}$ Typical
84\% Typical at full load
20W
$\pm 1 \%$ (when applicable)
$\pm 3 \%$
Half cycle minimum at 120 VAC and $80 \%$ of rated voltage
Over-voltage, Over current and Short circuit protection: Auto-recovery

## Environmental Specifications:

Operating Temperature: Storage Temperature:
Operating Humidity:
Cooling:
Vibration:
мтвF:
EMC:
-30 to $60^{\circ} \mathrm{C}$ (De-rating: $1 \% /{ }^{\circ} \mathrm{C}$ from $60-70^{\circ} \mathrm{C}$ ) -40 to $85^{\circ} \mathrm{C}$
5 to $95 \%$ RH (non-Condensing)
Convection cooling
5 to 50 Hz
$>100,000$ Hours at full load and $25^{\circ} \mathrm{C}$ ambient conditions 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): | $40.0 \times 95.0 \times 25 \mathrm{~mm}$ |
| Weight: | 120 g |
| Warranty: | 3 years @ $40^{\circ} \mathrm{C}, 100 \%$ Load |

Safety Standards:
UL (cUL) 1310, UL48
CE


## Standards:



RoHS Compliance: This power supply meets the requirements 2002/95/EC, know as the RoHS initiative.

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

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