

### TLM4036DC-0700

#### Description:

The TLM4036DC-0700 is a compact and lightweight Constant Current Switch Mode Power Supply. Waterproof design - IP66, NEMA 4 suitable for dry and damp locations. Convection cooled plastic housing. Some typical applications include LED's, Lighting, etc.

#### Specifications (@25C)

##### Electrical Specifications:

<b>Input Voltage:</b>	10-40Vdc
<b>Power Factor:</b>	>0.9 at full load, 115Vac
<b>Output*:</b>	.700A $\pm$ 5%, Vout range: 2 to (Vin-2Vdc)
<b>Efficiency:</b>	90% Typical at full load
<b>Maximum power:</b>	26W
<b>Output Current Regulation:</b>	$\pm$ 5%
<b>Protection:</b>	Short circuit protection: Auto-recovery *Subject to Max power limitations

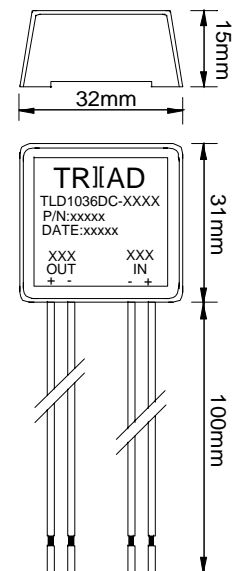
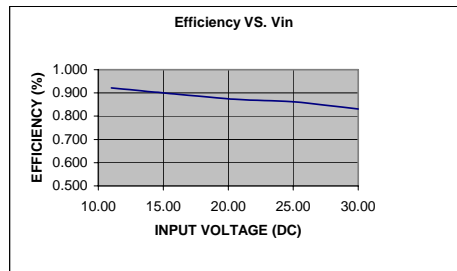
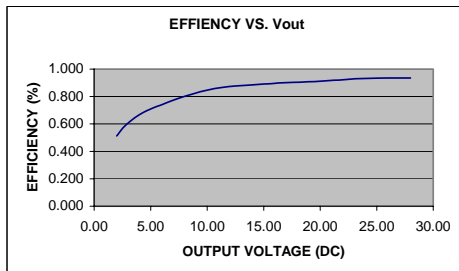
##### Environmental Specifications:

<b>Operating Temperature:</b>	-40 to 60°C (De-rating: 1%/°C from 60-70°C)
<b>Storage Temperature:</b>	-40 to 80°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

##### General Specifications:

<b>Connections:</b>	4in leads - Input: 18 AWG; Output: 18 AWG
<b>Dimensions (WxLxH):</b>	32.0x31.0x15.0mm
<b>Weight:</b>	25g
<b>Warranty:</b>	3 years @ 40°C, 100% Load

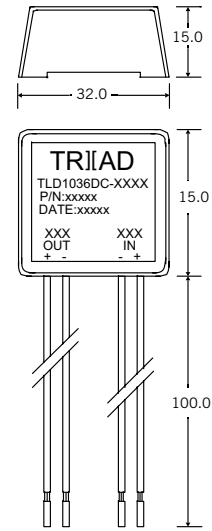
#### Performance Graphs:



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

# TLM40 Series

26 Watt Constant Current Encapsulated DC/DC Switching Power Supply for Indoor & Outdoor IP66 / NEMA 4 Applications



Unit: mm  
Tolerance: ±1.0mm

## SPECIFICATIONS (@25°C)

### Input Characteristics

Input Voltage: 10-40 VDC

### Output Characteristics

Adjustment Range: Fixed  
Current Accuracy: ±5%  
Short Circuit Protection: Auto-Recovery  
Output: 2VDC to (Vin - 4VDC)  
(Subject to Max power limitations)

### General Specifications

Dimension (LxWxH): 1.26 x 1.22 x 0.59" / 32 x 31 x 15mm  
Weight: 120g  
Reliability (MTBF): >100k hrs. (Full Load & 25°C Operation)  
Warranty: 3 years

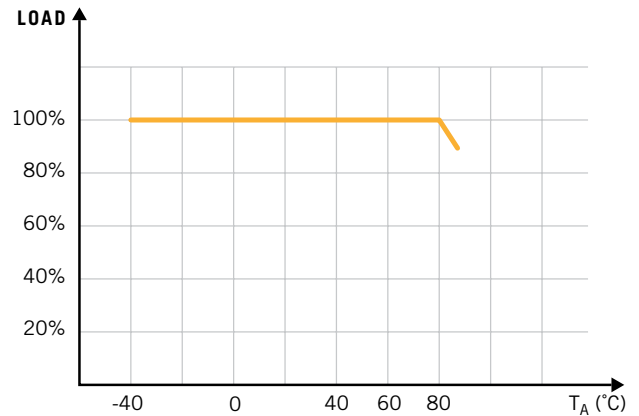
### Environmental Specifications

Operating Temperature: -40~+60°C Full Load, derate 1%/°C from 60~70°C max  
Storage Temperature: -40~+80°C  
Cooling: Convection Cooled Operation  
Humidity: 5~95% RH, non-condensing  
Vibration: 5 - 50Hz, 2G 1min / cycle, period of 60min, each axis  
Reliability: >100k Hours MTBF (full load & 25°C)

## CONNECTOR TYPES

Input: 18AWG Wire, 5 inch leads  
Output: 18AWG Wire, 5 inch leads

## DERATING CURVE



Constant Current Models	ADC	Efficiency
TLM4036-DC-0350	350mA	90%
TLM4036-DC-0700	700mA	90%
TLM4036-DC-1000	1000mA	90%