

TLM4036DC-1000

Description:

The TLM4036DC-1000 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:

Input Voltage:	10-40Vdc
Power Factor:	>0.9 at full load, 115Vac
Output*:	1.00A _{dc} ±5%, V _{out} range: 2 to (V _{in} -2Vdc)
Efficiency:	90% Typical at full load
Maximum power:	26W
Output Current Regulation:	±5%
Protection:	Short circuit protection: Auto-recovery *Subject to Max power limitations

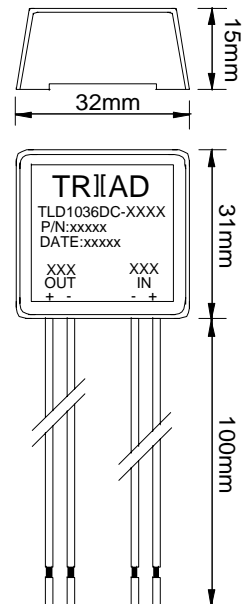
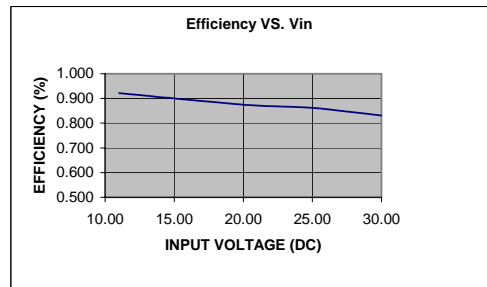
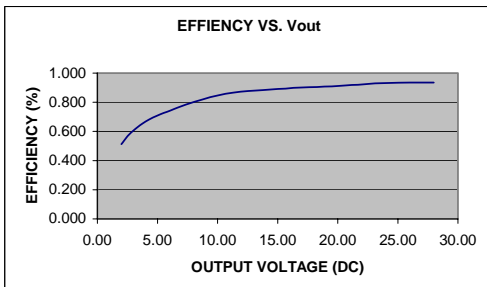
Environmental Specifications:

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

General Specifications:

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

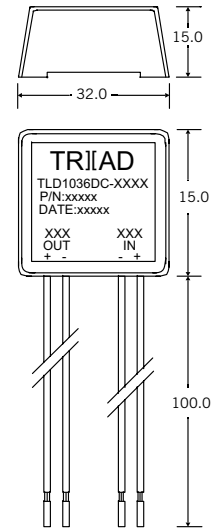
Performance Graphs:



RoHS Compliance: This power supply meets the requirements 2002/95/EC, known 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

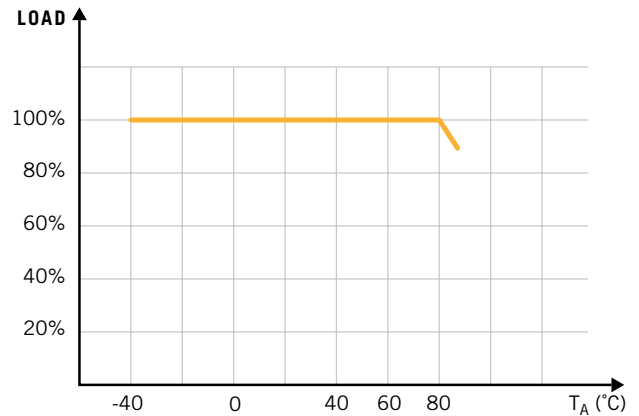
Environmental Specifications

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%