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10W Automobile Charger CLM10D



#### Features

- Improved Stretch Life of DC Coil Cord
- Power-On LED Indicator

- Reverse Polarity Protection
- Input Over Voltage Protection

#### Applications

• Portable and Mobile Devices

#### Safety Approvals

- E-Mark
- CE

#### **Mechanical Characteristics**

- Length: 89.73mm (3.5in)
- Width: 30.48mm (1.2in)

• Height: 38.20mm (1.5in)

C-Tick

FCC

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• Weight: 81.7g (2.88oz)

#### **Output Specifications**

Model	DC Output	Load		Ripple (1)	Regulation	
	Voltage	Min.	Max.	P-P (max)	Line	Load
CLM10D-050(A)	5.15V	0A	2.0A	100mV	4.89V~5.4V	

(1) The ripple was measure by using a 12 inch twisted pair terminated with a 10uF capacitor and a 0.1uF ceramic in parallel

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## **CLA Characteristics**

**INPUT: DC Input Voltage Range** 10 to 30VDC (12V nominal)

### **DC Input Current**

 $\leq$  30mA @ No load (@ 12.0VDC)  $\leq$  1.40A @ 2.0A load (@ 10.0VDC)  $\leq$  0.44A @ 2.0A load (@ 30.0VDC)

#### Efficiency

80% Min at Max. Load & 12.0VDC @ 25°C

## **OUTPUT:**

**Output Overvoltage Protection** 9.5VDC maximum by zener clamping

#### **Output Short Circuit Protection**

Current limiting without damage to unit. The output current shall not exceed 3.5A max.

#### **Environmental: Operating Temperature** -20°C to 60°C

# **Storage Temperature**

-40°C to 85°C

#### Humidity

Operation 0 to 95% RH Storage 0 to 95% RH

## General:

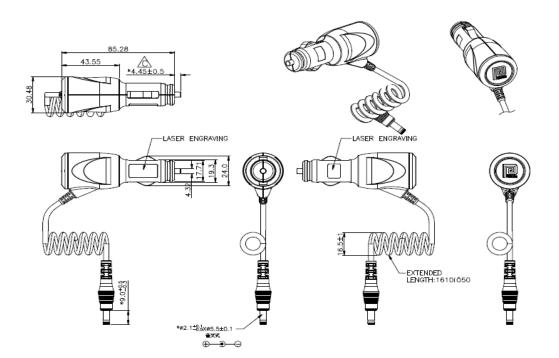
MTBF

100K hours min. @ full load 25°C ambient temperature

## **DC Output Connector**

2.1 x 5.5 x 9.0 mm Center Positive Standard

## **Dimension Diagram Unit: mm (inch)**



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