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# 10W Car Charging Adapter for Portable Electronics CLM10D is Compliant with US and EU Vehicle Standards



## **Features**

- High Efficiency
- Compliant with EU Vehicle Standards
- Robust Design
- Battery Charging

# Applications

• Portable Electronics

• Mobile Phones

## **Safety Approvals**

- CE
- C-Tick

- FCC
- E-Mark

#### **Mechanical Characteristics**

• Length: 85.28mm (3.36in)

• Diameter (at cord): 30.48mm (1.2in)

• Diameter (at tip): 19.3mm (0.76in)

• Weight: 81.7g (2.88oz)

## **Output Specifications**

Model	DC Output Voltage	Load		Ripple
		Min.	Max.	P-P (max.)
CLM10D-050(A)-R	5.15V	0A	2.0A	100mVp-p

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## CLM10D-050(A) Characteristics

## Input:

## **AC Input Voltage Range**

10 to 30V DC (12 Volts Nominal)

## **Input Current**

≤30mA at no load (12V Input)

≤1.40A at no load (10V Input)

 $\leq$ 1.44A at no load (30V Input)

### **Output:**

## **Output Power**

10W

### **Efficiency**

80% minimum at maximum load and 12V

#### Rise time:

<50mSec.

# **Input Over-Voltage**

Fuse will blow with no damage to unit

## **Output Over-Voltage**

By Zener clamping

## **Reverse Polarity Protection**

Fuse will blow with no damage to unit

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#### **Short-Circuit Protection**

Current limiting without damage to unit

#### **Environmental:**

## **Temperature**

Operation -20 to 60°C Non-operation -40 to 85°C

Operating Humidity 0 to 95%

#### **MTBF**

100K Hours Minimum at full load and ambient 25°C

#### **DC Output Connector**

2.1mm x 5.5mm x 9mm Center Positive Barrel

#### **DC Cord**

1.61 Meters (extended)

## **Dimension Diagram Unit: mm**

