



## 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
- C-Tick
- FCC

### Mechanical Characteristics

- Length: 89.73mm (3.5in)
- Width: 30.48mm (1.2in)
- Height: 38.20mm (1.5in)
- Weight: 81.7g (2.88oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple (1) P-P (max)	Regulation	
		Min.	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

**INPUT:**

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

**DC Input Current**

- ≤ 30mA @ No load (@ 12.0VDC)
- ≤ 1.40A @ 2.0A load (@ 10.0VDC)
- ≤ 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)**

