## 11W Car Charging Adapter for Portable Electronics CLM10D is Compliant with US and EU Vehicle Standards

PHIHONG



## Features

- High Efficiency
- Compliant with EU Vehicle Standards

Applications

- Portable Electronics


## Safety Approvals

- CE
- C-Tick


## Mechanical Characteristics

- Length: 85.28 mm (3.36in)
- Diameter (at tip): 19.3 mm (0.76in)
- Diameter (at cord): 30.48 mm (1.2in)


## Output Specifications

| Model | DC Output Voltage | Load |  | Ripple |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Min. | Max. |  |
| CLM10D-050(A)-R | 5.15 A | 0 A | 2.0 A | $100 \mathrm{mVp}-\mathrm{p}$ |

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## Input:

AC Input Voltage Range
10 to 30V DC (12 Volts Nominal)

## Input Current

$\leq 30 \mathrm{~mA}$ at no load (12V Input)
$\leq 1.40 \mathrm{~A}$ at no load ( 10 V Input)
$\leq 1.44 \mathrm{~A}$ at no load (30V Input)

## Output:

Output Power
11W

## Efficiency

$80 \%$ minimum at maximum load and 12 V

## Rise time:

$<50 \mathrm{mSec}$.

## Input Over-Voltage

Fuse will blow with no damage to unit

## Reverse Polarity Protection

Fuse will blow with no damage to unit

## Short-Circuit Protection

Current limiting without damage to unit

## Environmental:

## Temperature

Operation $\quad-20$ to $60^{\circ} \mathrm{C}$
Non-operation $\quad-40$ to $85^{\circ} \mathrm{C}$
Operating Humidity 0 to $95 \%$

## MTBF

100 K Hours Minimum at full load and ambient $25^{\circ} \mathrm{C}$

## DC Output Connector

$2.1 \mathrm{~mm} \times 5.5 \mathrm{~mm} \times 9 \mathrm{~mm}$ Center Positive Barrel
DC Cord
1.61 Meters (extended)

## Output Over-Voltage

By Zener clamping

## Dimension Diagram Unit: mm



