## Dual Output Car Charging Adapter for Portable Electronics CLM10D has Outputs via Micro USB and USB-A Connectors

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## Features

- High Efficiency
- Compliant with EU Vehicle Standards
- Dual Output
- Robust Design
- Battery Charging (2 Devices

Simultaneously)

## Applications

- Portable Electronics
- Tablets
- Mobile Phones
- Peripherals


## Safety Approvals

- E-Mark


## Mechanical Characteristics

- Length: 85.28 mm (3.36in)
- Diameter (at cord): 30.48 mm (1.2in)
- Diameter (at tip): 19.3 mm (0.76in)
- Weight: $81.7 \mathrm{~g}(2.88 \mathrm{oz})$


## Output Specifications

| Model $^{(\mathbf{1})}$ | DC Output Voltage | Load |  | Ripple <br>  <br>  <br> P-P (max.) |
| :---: | :---: | :---: | :---: | :---: |
|  |  | 0 A. | $1.8 \mathrm{~A}^{(2)}$ |  |
|  |  | 0 A | $0.2 \mathrm{~A}^{(3)}$ |  |

Notes: (1) Model is dual output with 5 V on each output.
(2) Output 1 via Micro-B USB
(3) Output 2 via USB A Connector

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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
10W combined

## Efficiency

$75 \%$ 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

## Over-Current Protection

The unit will go into current limit without damage

## Environmental:

Temperature
Operation $\quad-20$ to $55^{\circ} \mathrm{C}$
Non-operation $\quad-40$ to $85^{\circ} \mathrm{C}$
Operating Humidity 0 to $95 \%$

## Output Connectors

Output 1: Micro B USB Connector
Output 2: USB Type A
DC Cord
1.61 Meters (extended)

## Output Over-Voltage

By Zener clamping

## Dimension Diagram Unit: mm



