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



- High Efficiency
- Compliant with EU Vehicle Standards
- Dual Output

### Applications

- Portable Electronics
- Tablets

- Robust Design
- Battery Charging (2 Devices Simultaneously)
- Mobile Phones
- Peripherals

### **Safety Approvals**

• 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 <sup>(1)</sup>	DC Output Voltage	Load		Ripple
		Min.	Max.	P-P (max.)
CLM10D-203(M)-R	5V	0A	$1.8A^{(2)}$	100mVp-p
		0A	$0.2A^{(3)}$	

Notes: (1) Model is dual output with 5V on each output.

(2) Output 1 via Micro-B USB

(3) Output 2 via USB A Connector

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### CLM10D-203(M) Characteristics

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

# Input Current

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

Output: Output Power 10W combined

**Efficiency** 75% 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

### **Dimension Diagram Unit: mm**

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**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:**

TemperatureOperation-20 to 55°CNon-operation-40 to 85°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)

