



**5W Car Charging Adapter for Portable Electronics  
CLA05D is Compliant with US and EU Vehicle Standards**



**Features**

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

**Applications**

- Portable Electronics
- Mobile Phones

**Safety Approvals**

- CE
- cUL/UL
- C-Tick
- E-mark

**Mechanical Characteristics**

- Length: 85.28mm (3.36in)
- Diameter (at tip): 19.3mm (0.76in)
- Diameter (at cord): 30.48mm (1.2in)
- Weight: 81.7g (2.88oz)

**Output Specifications**

Model	DC Output Voltage	Load		Ripple P-P (max.)
		Min.	Max.	
CLA05D-050A-R	5.0V	0A	1.0A	100mVp-p

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**Input:**

**AC Input Voltage Range**

10 to 30V DC (12 Volts Nominal)

**Input Current**

≤20mA at no load (12V Input)

≤0.65A at no load (10V Input)

≤0.27A at no load (30V Input)

**Output:**

**Output Power**

5W

**Efficiency**

75% minimum at maximum load and 12V

**Rise time:**

<30mSec.

**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

**Short-Circuit Protection**

Current limiting without damage to unit

**Environmental:**

**Temperature**

Operation -20 to 60°C

Non-operation -40 to 80°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**

1.75 Meters (extended)

**Dimension Diagram Unit: mm**

