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5W Automobile Charger CLA05D



#### 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

# ULC-Tick

- 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	Load		Ripple (1)	Regulation	
	Voltage	Min.	Max.	P-P (max)	Line	Load
CLA05D-050A	5V	0A	1.0A	100mV	4.75V~5.25V	

(1) The ripple was measure by using a 12 inch twisted pair terminated with a 10uF capacitor and a 0.1uF ceramic in parallel

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## **CLA Characteristics**

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

#### **DC Input Current**

 $\leq 20 \text{mA}$  @ No load (@ 12.0VDC)  $\leq 0.65 \text{A}$  @ 1.0A load (@ 10.0VDC)  $\leq 0.27 \text{A}$  @ 1.0A load (@ 30.0VDC)

Efficiency 75% Min at Max. Load & 12.0VDC @ 25°C

#### **OUTPUT:**

**Output Overvoltage Protection** 9.5VDC +/-1% maximum by zener clamping.

#### **Output Short Circuit Protection**

Current limiting without damage to unit. The output current shall not exceed 2.5A max.

#### **Environmental: Operating Temperature** -20°C to 60°C

# **Storage Temperature** -40°C to 85°C

-40 C 10 85 C

#### Humidity

Operation 0 to 95% RH Storage 0 to 95% RH

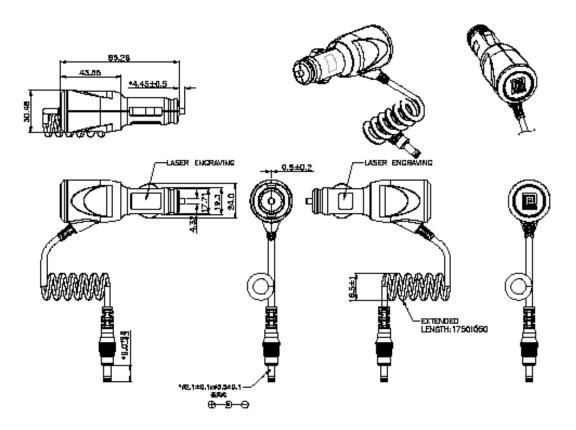
# General:

MTBF 100K hours min. @ full load 25°C ambient temperature

#### **DC Output Connector**

2.1 x 5.5 x 9.0mm Center Positive Standard

## **Dimension Diagram Unit: mm (inch)**



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