



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## 36 Watt USB Power Delivery 2.0 Adapter with USB-C



### Features

- USB-C
- Class B EMI
- OVP, OCP, OTP and Short Circuit Protection

### Applications

- Mobile Phone
- Tablet
- Notebook
- Networking Devices
- Monitor

### Safety Approvals (Preliminary)

- UL/cUL
- CE
- CB

### Mechanical Characteristics

- Length: 67mm (2.64in)
- Width: 48mm (1.9in)
- Height: 29mm (1.41in)
- Weight: 130g (.29lbs)

### Output Specifications

Model	Prong Style	DC Output Voltage	Current Rating	Ripple <sup>(1)</sup> P-P (max.)
AQ36A-5CA	US	5V/12V	3A/3A	200mV
AQ36E-5CA	EU	5V/12V	3A/3A	200mV

Notes: (1) Measured by using a 12 inch twisted pair terminated with a 10uF & 0.1uF ceramic in parallel. Oscilloscope is set to 20MHz.

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications and contact information.

**Input:**

**AC Input Voltage Rating**

100 to 240V AC

**AC Input Voltage Range**

90 to 264V AC

**AC Input Frequency**

50 to 60Hz

**Input Current**

<0.9A (RMS) maximum at 90Vac @max load

**Leakage Current**

0.25mA Max.

**Inrush Current**

90Amax @240Vac/50Hz (Cold start)

**Input Power Saving**

.075W max @230VAC /50Hz

**Output:**

**Efficiency**

US DOE Level VI

CoC V5 Tier 2

**Environmental:**

**Temperature**

Operation 0°C to +45°C

Non-operation -40°C to +85°C

Humidity 90% RH max

**DC Output Connector**

USB Type C

**Emissions**

Complies with FCC Class B

Complies with EN55032 Class B

**Immunity**

IEC61000-4-2:

Level 2, Contact ±4KV, Criteria B

Level 3, Air ±8KV, Criteria B

Level 4, Contact ±8KV, Criteria C

Level 4, Air ±15KV, Criteria C

IEC61000-4-3, Level 2, Criteria A

IEC61000-4-4, Level 2, Criteria B

IEC61000-4-5, Level 3, Criteria B

IEC61000-4-6, Level 2, Criteria A

IEC61000-4-8, Level 1, Criteria A

**Hold-up Time**

10.3mS minimum at 110V/60Hz, Output 20V/2.25A

**Over-Voltage Protection**

<16V, shutdown mode

**Over-Temperature Protection**

Shutdown mode

**Over-Current Protection**

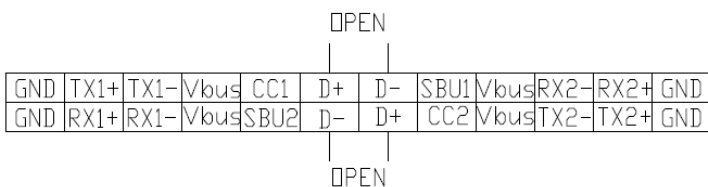
Output current shall not exceed 4.5A@5V and 12V

**Short-Circuit Protection**

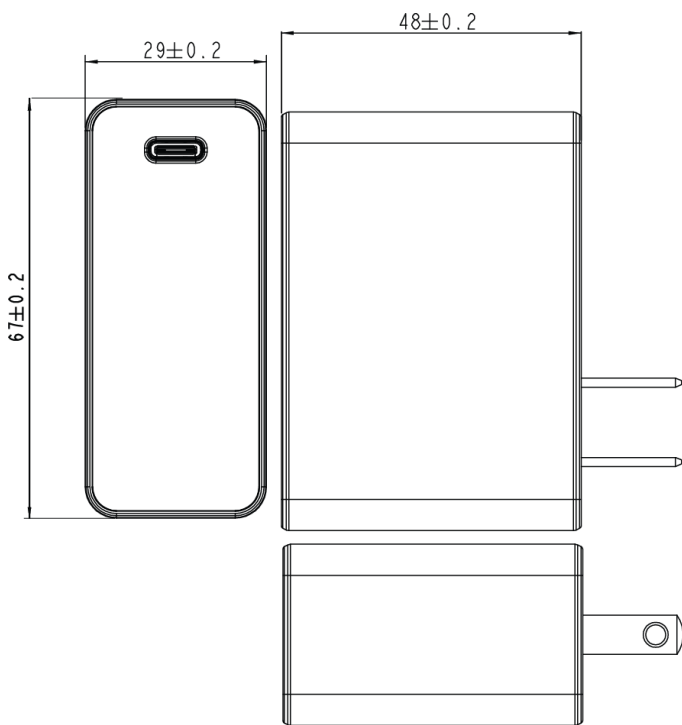
Auto Recover

**Dielectric Withstand (Hi-pot) Test**

Primary to Secondary: 3000V AC for 1 min., 10mA



**AQ36A-5CA Dimension Diagram Unit: mm (inch)**



**AQ36E-5CA Dimension Diagram Unit: mm (inch)**

