



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 ⁽¹⁾ 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.

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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

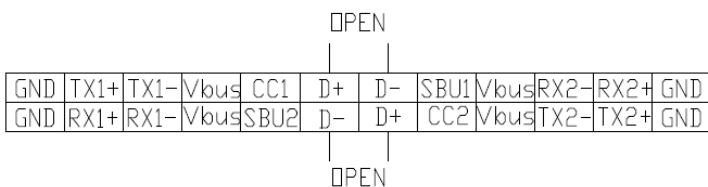
Output current shall not exceed 4.5A@5V and 12V

Short-Circuit Protection

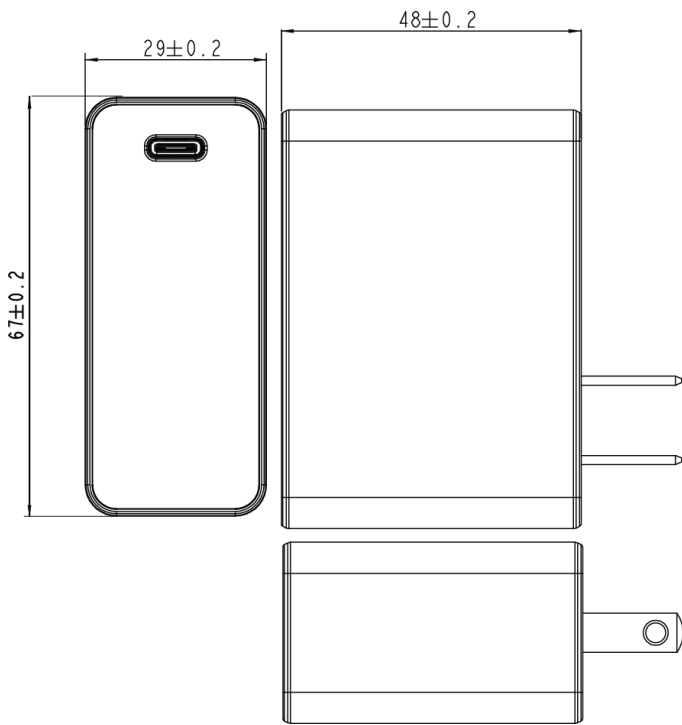
Auto Recover

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)

