



45 Watt USB Power Delivery 3.0 Adapter with USB-C



Features

- USB-C
- Class B EMI
- Limited Power Source (LPS)
- OVP, OCP, OTP and Short Circuit Protection
- DOE Level VI, CoC V5 Tier 2

Applications

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

Safety Approvals (Preliminary)

- UL/cUL
- CB
- CE

Mechanical Characteristics

- Length: 67mm (2.64in)
- Width: 48mm (1.89in)
- Height: 29mm (1.41in)
- Weight: 145g (.32lbs)

Output Specifications

Model	Prong Style	DC Output Voltage	Current Rating	Ripple ⁽¹⁾ P-P (max.)	Efficiency Level
AQ45A-59FA	US	5V/9V/15V	3A/3A/3A	200mV	VI
AQ45E-59FA	EU	5V/9V/15V	3A/3A/3A	200mV	VI

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
<1A (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
FCC Class B
EN55022 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

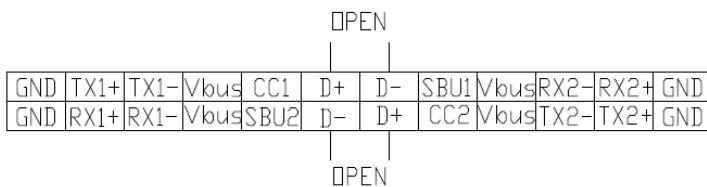
Over-Voltage Protection
<20V, shutdown mode

Over-Temperature Protection
Shutdown mode

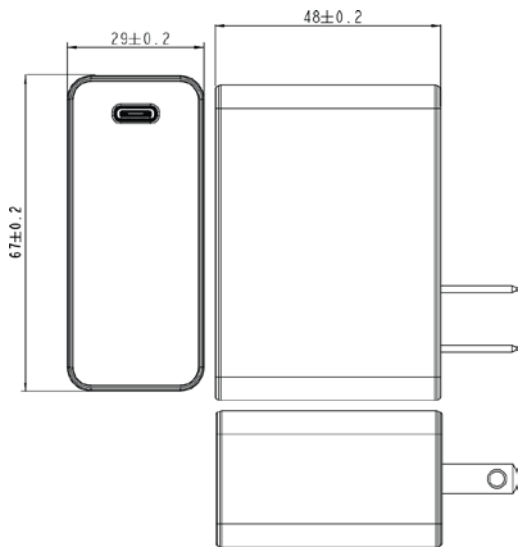
Over-Current Protection
Output current shall not exceed 4.5A

Short-Circuit Protection
Auto Recover

Dielectric Withstand (Hi-pot) Test
Primary to Secondary: 3000V AC for 1 min., 10mA



AQ45A-59FA Dimension Diagram Unit: mm (inch)



AQ45E-59FA Dimension Diagram Unit: mm (inch)

