

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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45 Watt USB Power Delivery 2.0 Adapter with USB-C



Features

- USB-C
- Class B EMI
- Limited Power Source (LPS)

- OVP, OCP, OTP & Short Circuit Protection
- DOE Level VI, CoC V5 Tier 2

Applications

- Mobile Phone
- Tablet
- Notebook

- Networking Devices
- Monitor

Safety Approvals

- U/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.)
AQ45A-5CKA	US	5V/12V/20V	3A/3A/2.25A	200mV
AQ45E-5CKA	EU	5V/12V/20V	3A/3A/2.25A	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 for the most up-to-date specifications and contact information.

AQ45X-5CKA Characteristics

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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 $0 \text{ to } +45^{\circ}\text{C}$ Non-operation $-40 \text{ to } +85^{\circ}\text{C}$

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, Crteria 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

<24Vshutdown

Over-Temperature Protection

Shutdown mode

Over-Current Protection

Output current shall not exceed 4.5A@5&12V,

4A@20V

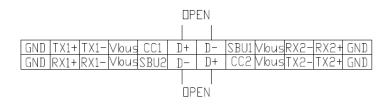
Short-Circuit Protection

Auto Recover

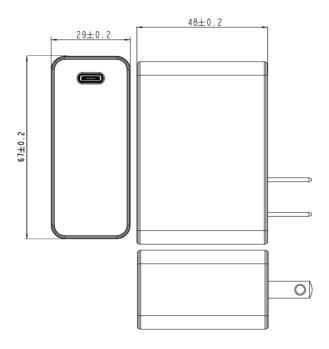
Dielectric Withstand (Hi-pot) Test

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

10Ma



AQ45A-5CKA Dimension Diagram Unit: mm (inch)



AQ45E-5CKA Dimension Diagram Unit: mm (inch)

