



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-H	US	5V/12V/20V	3A/3A/2.25A	200mV
AQ45E-5CKA-H	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.

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 to +45°C

Non-operation -40 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 $\pm 4\text{KV}$, Criteria BLevel 3, Air $\pm 8\text{KV}$, Criteria BLevel 4, Contact $\pm 8\text{KV}$, Criteria CLevel 4, Air $\pm 15\text{KV}$, 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 Time10.3mS minimum at 110V/60Hz, Output
20V/2.25A**Over-Voltage Protection**

<24Vshutdown

Over-Temperature Protection

Shutdown mode

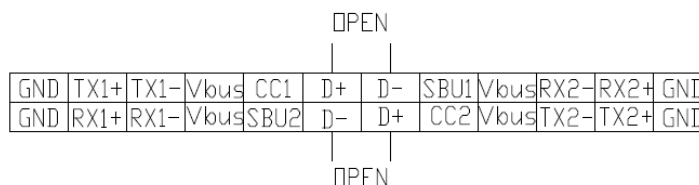
Over-Current Protection

Output current shall not exceed

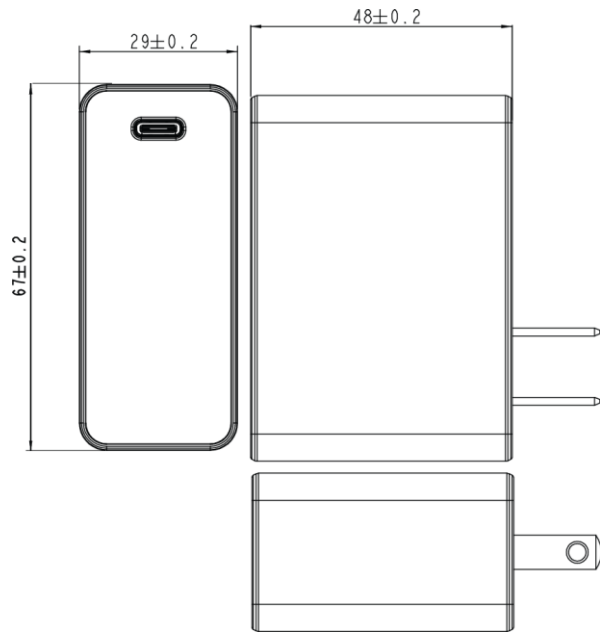
4.5A@5&12V, 4A@20V

Short-Circuit Protection

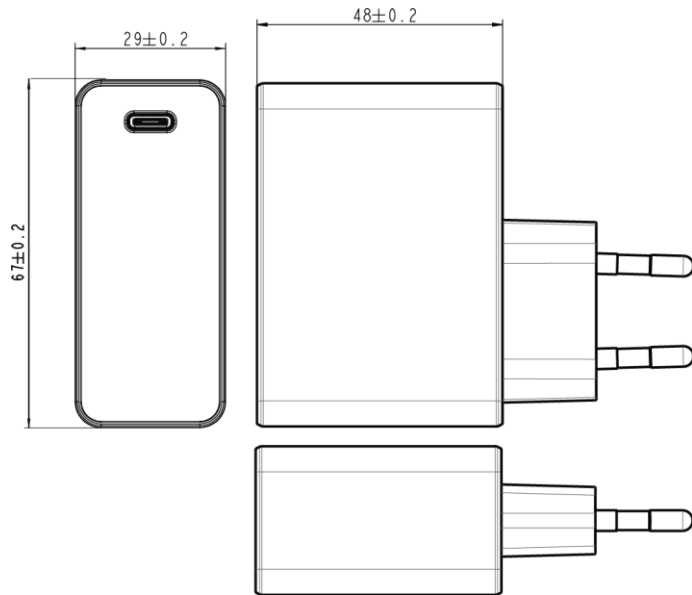
Auto Recover

Dielectric Withstand (Hi-pot) TestPrimary to Secondary: 3000V AC for 1 min.,
10Ma

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



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



Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

AQ45A-5CKA-H

Phihong USA Corporation
47800 Fremont Boulevard
Fremont, CA 94538
Telephone: (510) 445-0100
www.phihong.com

NOTE: This model has/The models in this products series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9