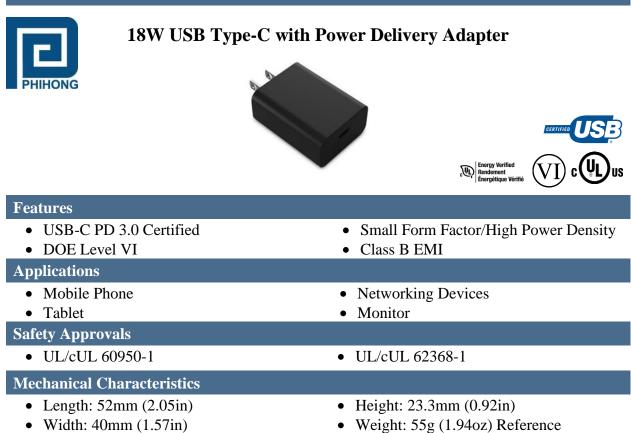
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**Output Specifications** 

Model	DC Output	Load		<b>Ripple<sup>1</sup></b>	Regulation
	Voltage	Min.	Max.	P-P (max.)	Line & Load
AQ18A-59A-H <sup>2</sup>	5V/9V	0A	3A/2A	200mV	±5%
AQ18A-59CFA-H	5V/9V/12V/15V	0A	3A/2A/1.5A/1.2A	200mV	±5%

Notes:

- 1. Measurement made with an oscilloscope with 20MHz Bandwidth. Output bypassed at connector with a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor (Low ESR)
- 2. Special order items. Minimum order quantity applies.

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. Revised 8/10/2022

#### AQ18A Series Characteristics<sup>1</sup>

Input: AC Input Voltage Rating 100 to 240V AC

**AC Input Voltage Range** 90 to 264V AC

AC Input Current 0.5A(RMS) max at 100V AC input

Leakage Current

100uA max

**Input Power Saving**<sup>2</sup> ≤75mW at no load at 230VAC/50Hz

Output: Efficiency DOE Level VI

Hold-up Time 3mS min at 115VAC/60Hz

## **Environmental:**

**Temperature** Operation Non-operation Relative Humidity

0°C to +40°C -30°C to +70°C 10 to 90%

#### Emissions

FCC Class B

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## Immunity

ESD: EN61000-4-2 RS: EN61000-4-3 EFT: EN61000-4-4 Surge: EN61000-4-5 CS : EN61000-4-6 MS : EN61000-4-8 Dip: EN61000-4-11

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

Pri. to Sec. 3000VAC 3mA for 1 Minute

**Insulation Resistance** Pri to Sec. >100M ohm at 500VDC

## **FEATURES:**

**Over-Voltage Protection** 

6.25V max for 5V; 11.25V max for 9V; 15V max for 12V; 18.75V max for 15V

#### **Over-Current Protection**

Auto-recovery. 4.05A max for 5Vdc; 2.7A max for 9Vdc; 2.025A max for 12Vdc; 1.62A max for 15Vdc

#### **Over-Temperature Protection**

Latch off function. Case temperature shall not exceed  $95^{\circ}C$ 

#### **Short-Circuit Protection**

Auto-recovery

#### **DC Output Connector**

USB Type-C receptacle

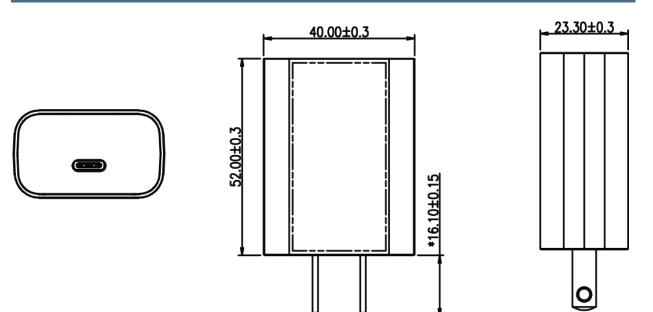
Notes:

1. The characteristics defined are at ambient temperature of 25°C unless otherwise specified

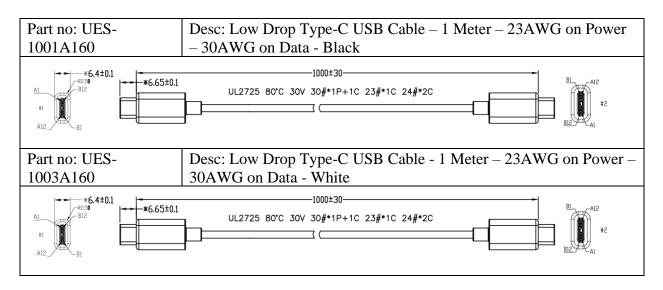
2. After 15 minutes warm-up

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# **Dimension Diagram Unit: mm**



# **USB** Cables – Sold Separately





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

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

This device complies with/The devices in this product series comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.