



10W USB Medical Grade Adapter



Features

- DoE Level VI Efficiency
- EU CoC Version 5 Tier 2 Efficiency
- IEC60601-1:2005 (3rd Edition) 2xMOOP
- UL60601-1 (3rd Edition)
- Meets type BF requirements
- LPS compliant
- OVP, OCP, SCP

Applications

- Home healthcare equipment
- Patient monitor
- Portable medical devices
- Blood pressure monitor

Safety Approvals

- UL/cUL
- CB
- CE

Mechanical Characteristics – US

- Length: 47mm (1.88in)
- Width: 38mm (1.48in)
- Height: 22.3mm (0.87in)
- Weight: 40g (1.41oz)

Mechanical Characteristics – EU

- Length: 59.1mm (2.33in)
- Width: 38mm (1.48in)
- Height: 22.3mm (0.87in)

Mechanical Characteristics – UK

- Length: 57mm (2.24in)
- Width: 38mm (1.48in)
- Height: 22.3mm (0.87in)

Output Specifications

Model	DC Output Voltage	Load		Ripple P-P (max.)	Regulation Line & Load	Prong Style	Case Color
		Min.	Max.				
MQ10A-050A	5V	0A	2A	150mV	±5%	US	Black
MQ10A-050AW	5V	0A	2A	150mV	±5%	US	White
MQ10E-050A	5V	0A	2A	150mV	±5%	EU	Black
MQ10E-050AW	5V	0A	2A	150mV	±5%	EU	White
MQ10K-050A	5V	0A	2A	150mV	±5%	UK	Black
MQ10K-050AW	5V	0A	2A	150mV	±5%	UK	White

Input:**AC Input Voltage Rating**

100 to 240V AC

AC Input Voltage Range

90 to 264V AC

AC Input Current

0.28A(RMS) max at 115V AC input

0.16A(RMS) max at 230V AC input

Leakage Current

20uA max at 264V AC/50Hz

Inrush Current

60A max at 240V AC

(Cold start at ambient 25°C)

Input Power Saving $\leq 75\text{mW}$ at no load at 230VAC/50Hz**Output:****Efficiency**

DOE Level VI

COC Version 5 Tier 2

Hold-up Time

13mS min at 115VAC/60Hz

Environmental:**Temperature**

Operation 0°C to +40°C

Non-operation -20°C to +70°C

Relative Humidity 10 to 90%

Emissions

FCC Class B

EN55022 Class B

Immunity

ESD: EN61000-4-2

RS: EN61000-4-3

EFT: EN61000-4-4

Surge: EN61000-4-5

Dip: EN61000-4-11

Dielectric Withstand (Hi-pot) Test

Pri. to Sec. >4000VAC 10mA for 1 Minute

Insulation Resistance10M Ω at 500VDC for 1min**FEATURES:****Over-Voltage Protection**

Output voltage shall not exceed 8V

Over-Current Protection

Auto-recovery, 3A max

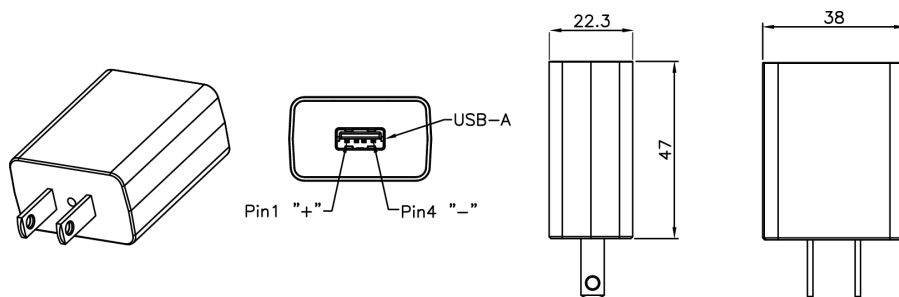
Short-Circuit Protection

Auto-recovery, 3A max

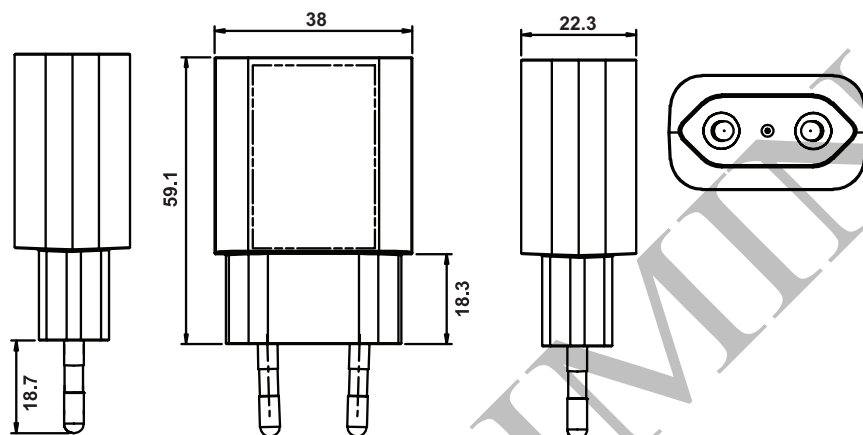
DC Output Connector

USB A; D+/D- shorted conforms to Battery Charging 1.2

US Dimension Diagram Unit: mm (inch)



EU Dimension Diagram Unit: mm (inch)



UK Dimension Diagram Unit: mm (inch)

