



5W USB Medical Grade Adapter



Features

- Meets DoE Level VI
- MOOP Classification
- Divider Mode Charging (2.7V to Pin2, 2V to Pin3)
- LPS Compliant
- OVP, OCP, SCP

Applications

- Blood Glucose Meters
- Blood Pressure Monitors
- Wearable Monitoring Devices

Safety Approvals

- AAMI/ANSI ES 60601-1
- IEC60601-1
- IEC60601-1-11

Mechanical Characteristics

- Length: 47mm (1.85in)
- Width: 37.9mm (1.49in)
- Height: 22.3mm (0.88in)
- Weight: 40g (1.41oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple ¹ P-P (max.)	Regulation Line & Load ²	Case Color
		Min.	Max.			
MQ05A-050A-H ³	5V	0A	1A	200mV	±5%	Black
MQ05A-050AW-H	5V	0A	1A	200mV	±5%	White

Notes:

1. Measured with by-pass capacitors 0.1uF/10uF at output connector terminal and oscilloscope set at 20 MHz bandwidth. Requires 10mins burn-in at max load at cold start condition when testing at 0°C
2. Output voltage measured on 1000mm long cable having #22AWG wires and at USB Micro-B connector
3. Special order item. Minimum order quantity applies

Input:**AC Input Voltage Rating**

100 to 240V AC

AC Input Voltage Range

90 to 264V AC

AC Input Current

0.15A(RMS) max

Leakage Current

5uA max

Input Power Saving²

≤30mW @115VAC/230VAC no load

Output:**Efficiency**

DOE Level VI

COC V5 Tier 2

Environmental:**Temperature**

Operation 0°C to +40°C

Non-operation -40°C to +85°

Relative Humidity 90%

Emissions

Complies with FCC Class B

Complies with CAN ICES-001(B)/NMB-001(B)

Immunity

ESD EN61000-4-2 Level 4

Surge EN61000-4-5 Level 3

Dielectric Withstand (Hi-pot) Test

Pri. to Sec. 3000VAC 10mA for 1 Minute

Insulation Resistance

Pri. to Sec.: >10M ohm 500VDC

FEATURES:**Over-Voltage Protection**

7V max.

Short-Circuit Protection

Auto-restart

Over-Current Protection

105%~140%

DC Output Connector

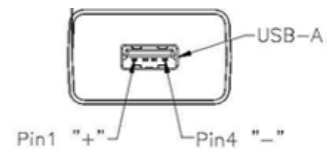
USB A:

Pin 1 = V+

Pin 2 = 2.68V

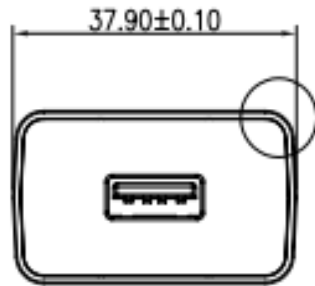
Pin 3 = 2V

Pin 4 = RTN

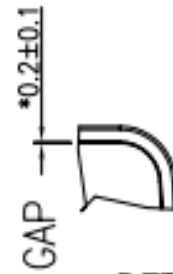
**Notes:**

1. The characteristics defined are at ambient temperature of 25°C unless otherwise specified
2. After 15 minutes warm-up.

Dimension Diagram Unit: mm



SEE DETAIL A



DETAIL A

