Features

- Meets DoE Level VI
- MOOP Classification
- Divider Mode Charging
- 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 0ºC
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

MQ05A-050A-H Characteristics[1]

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 Saving[2]
≤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

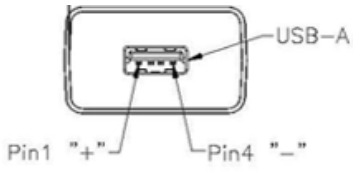
FEATURES:

Over-Voltage Protection
7V max.

Short-Circuit Protection
Auto-restart

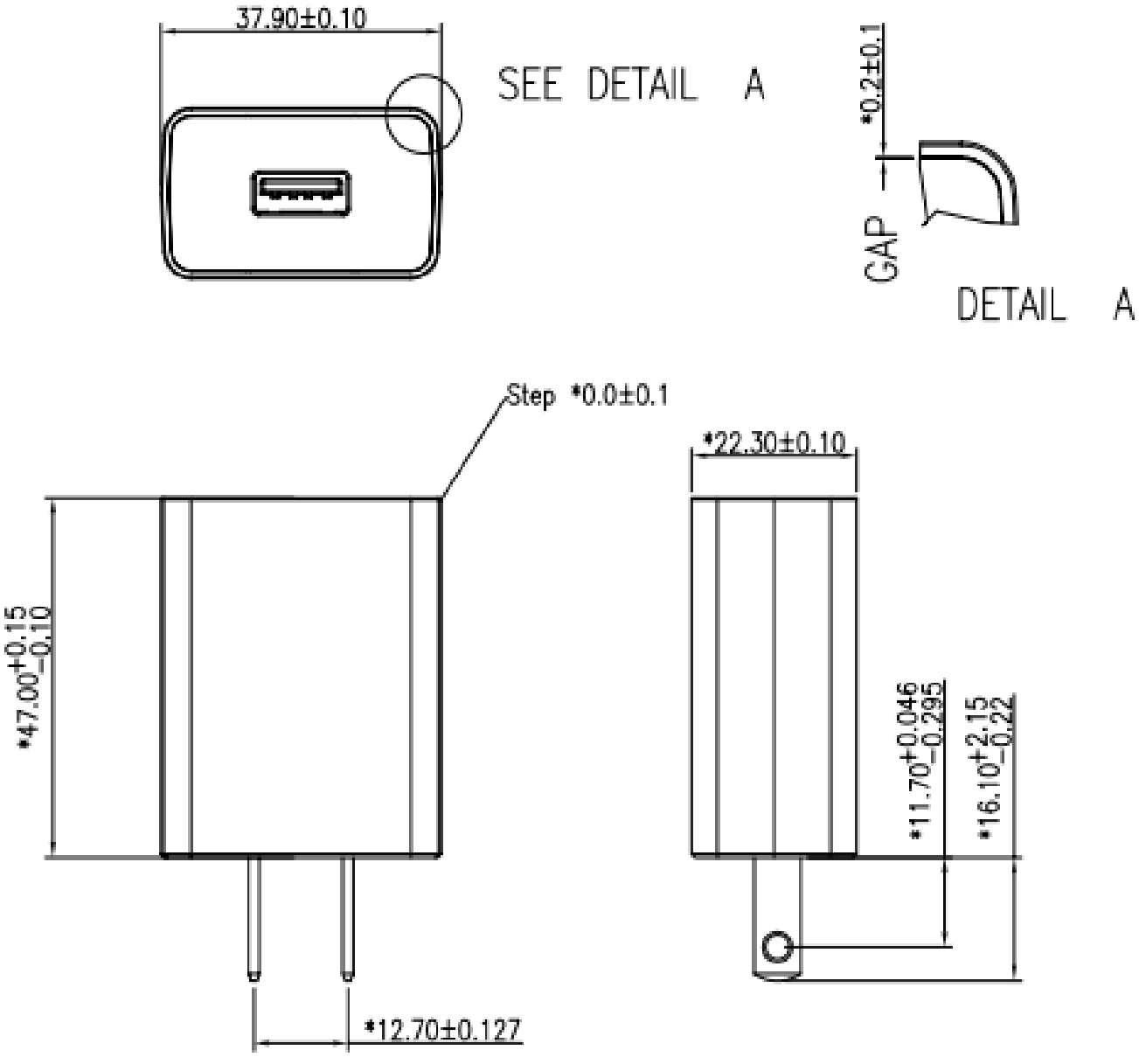
Over-Current Protection
105%~140%

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



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