



10W USB Medical Grade Adapter - AU



Features

- Meets AS/NZS 4665.2:2005
- Charging scheme: Data lines (Pins 2 and 3) Shorted
- OVP, OCP, SCP
- LPS Compliant

Applications

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

Safety Approvals

- AS/NSZ 62368.1

Mechanical Characteristics

- Length: 47mm (1.85in)
- Width: 38mm (1.50in)
- Height: 22.3mm (0.88in)

Model	DC Output Voltage	Load		Ripple ² P-P (max.)	Regulation Line & Load ¹	Case Color	Prong Type
		Min. ¹	Max.				
MQ10K-050B-H ³	5V	0.02A	2A	150mV	±5%	Black	AU
MQ10K-050BW-H ³	5V	0.02A	2A	150mV	±5%	White	AU

Notes:

1. Voltage regulation +3.2%/-6.76% at less than 0.02A load.
2. Measuring is done by 20MHz bandwidth oscilloscope and terminated each output with a 10uF aluminum electrolytic capacitor and a 0.1uF ceramic capacitor
3. Special order MOQ

Input:**AC Input Voltage Rating**

100 to 240Vac

AC Input Voltage Range

90 to 264Vac

AC Input Current

0.28A(RMS) max @115Vac/60Hz

0.16A(RMS) max @230Vac/50Hz

Leakage Current

100uA max @ 264Vac/50Hz

Input Power Saving

≤75mW @115Vac/230Vac

Output:**Efficiency**

AS/NZS 4665.2:2005 Compliant

Environmental:**Temperature**

Operation -10°C to +45°C

Non-operation -40°C to +70°C

Relative Humidity 5% to 95% RH

Emissions

Complies with AS/NZS CISPR 32

Immunity

ESD EN61000-4-2

Contact: ±8KV; Air ±15KV

RS EN61000-4-3 3V/m

EFT EN61000-4-4 1KV

Surge EN61000-4-5

Line to Line: 1KV

DIP EN61000-4-11 Level 3

Dielectric Withstand (Hi-pot) Test

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

Insulation Resistance

Pri. to Sec.: 10M ohm, 500VDC, 1 Minute

FEATURES:**Over-Voltage Protection**

≤ 8V

Short-Circuit Protection

Auto recovery and no component damage

Over-Current Protection

3A max @AC 90V~264V

DC Output Connector

USB A:

Pin 1 = V_O +

Pin 2 = 2-Pin and 3-Pin Short

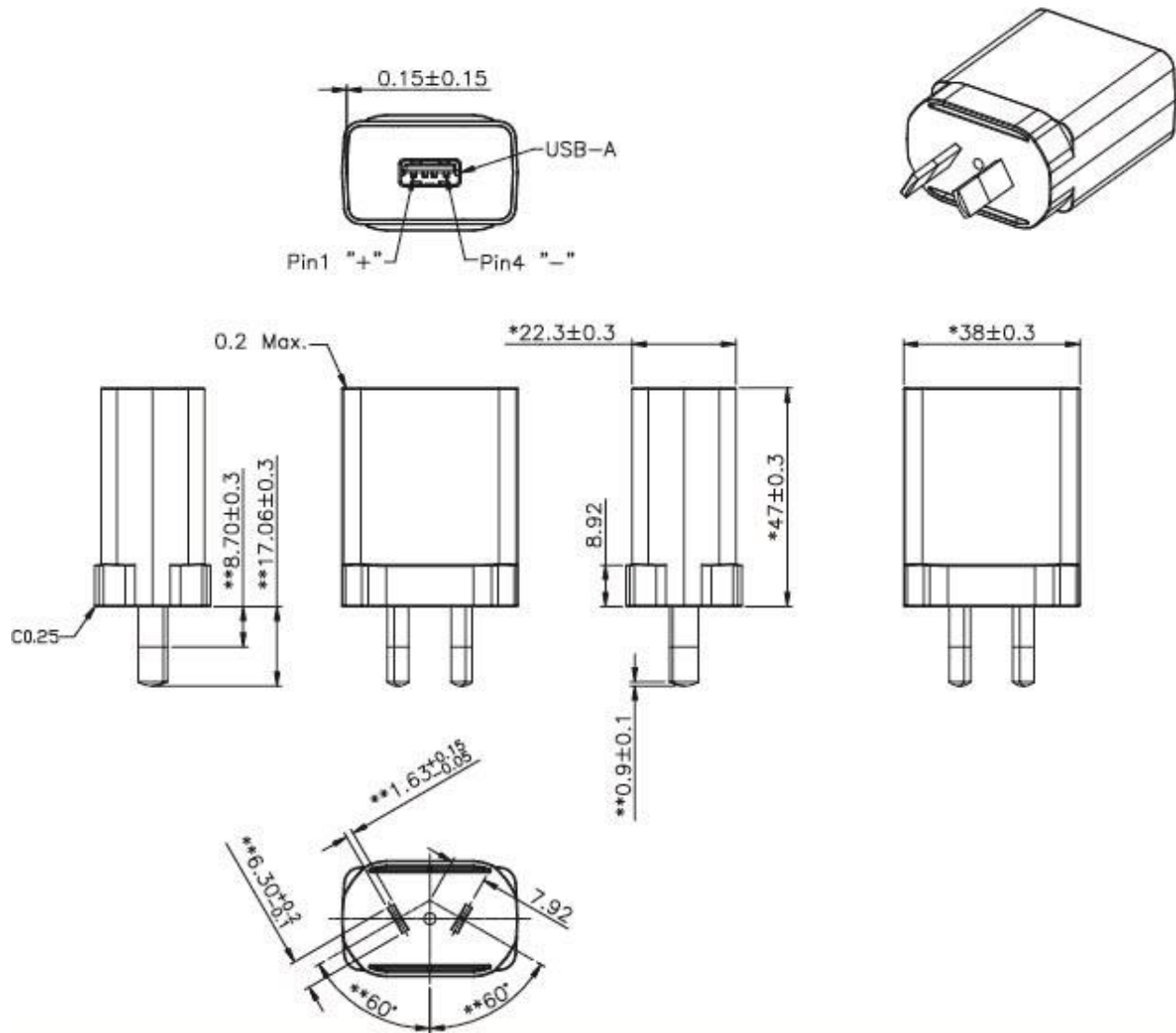
Pin 3 = 2-Pin and 3-Pin Short

Pin 4 = V_O -**Notes:**

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

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Dimension Diagram Unit: mm





USB Cables – Sold Separately

Unit: mm

Part no: IP-USB1(C10)S	Desc: USB-A to Micro-B – 1 Meter – Black
Part no: IPUSB1CS	Desc: USB to Mini-B – 1.5 Meter – Black
Part no: IPUSB1MS	Desc: USB-A to Micro-B – 1.5 Meter – Black
Part no: IPUSB1M5LD	Desc: USB-A to Micro-B – 24AWG – Low Drop – 1.5 Meter – Black
Part no: IPUSB1P5	Desc: USB-A to Micro-B – 1 Meter – 24AWG – Black
Part no: IPUSB1P5W	Desc: USB-A to Micro-B – 1 Meter – 24AWG – White

