



# CLW-2005-W2E-EB

5V / 4A Wall mounted type AC/DC adaptor

## ■ Features:

- Universal AC input / Full range
- Wall mounted type, Isolation class II design
- ErP step II / CEC level VI compliance
- No load power consumption  $P < 0.075W$
- Protections: Overload / Short circuit / Over Temperature



## ELECTRICAL SPECIFICATION

| MODEL | CLW-2005-W2E-EB |
|-------|-----------------|
|-------|-----------------|

## OUTPUT

|                           |                                    |
|---------------------------|------------------------------------|
| Rated Voltage             | 5V                                 |
| Rated Current             | 4A                                 |
| Current Range             | 0 ÷ 4A                             |
| Rated Power               | 20W                                |
| Line Regulation           | ± 2%                               |
| Load Regulation           | ± 5%                               |
| Tolerance [3]             | ± 10%                              |
| Ripple & Noise (max.) [2] | 150mV <sub>p-p</sub>               |
| Setup, Rise Time [4]      | 1000ms, 20ms / 230VAC at full load |
| Hold up Time (typ.)       | 20ms / 230VAC at full load         |

## INPUT

|                                  |                                |
|----------------------------------|--------------------------------|
| Voltage Range                    | 90 ÷ 264VAC                    |
| Frequency Range                  | 47 ÷ 63Hz                      |
| Efficiency (typ.)                | 83.64%                         |
| AC Current (typ.)                | 0.41A / 115VAC, 0.11A / 230VAC |
| No load Power Consumption (max.) | 0.075W                         |

## PROTECTIONS

|               |                                   |
|---------------|-----------------------------------|
| Overload      | Range: 140-180%                   |
|               | Type: hiccup mode, auto-recovery. |
| Short Circuit | Type: hiccup mode, auto-recovery. |



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## WORKING ENVIRONMENT

|                                         |                                         |
|-----------------------------------------|-----------------------------------------|
| <b>Working Temperature</b>              | 0°C ÷ 40°C                              |
| <b>Working Humidity</b>                 | 10 ÷ 90% RH non-condensing              |
| <b>Storage Temperature and Humidity</b> | -20°C ÷ 85°C, 5 ÷ 90% RH non-condensing |

## SAFETY and EMC REGULATIONS

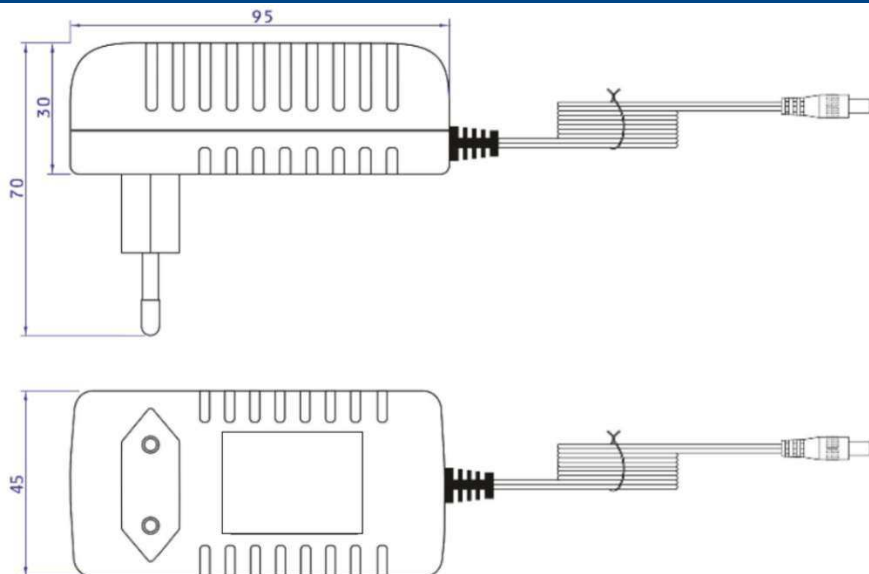
|                             |                                        |
|-----------------------------|----------------------------------------|
| <b>Safety Standards</b>     | Compliance to EN 62368                 |
| <b>Withstand Voltage</b>    | IN/OUT: 3.6kVAC                        |
| <b>Isolation Resistance</b> | IN/OUT: 50MΩ/500VDC/25°C/70%           |
| <b>EMC Emission</b>         | Compliance to EN55032                  |
| <b>EMC Immunity</b>         | Compliance to EN61000-4-2, -3, -4, -5  |
| <b>Harmonic Current</b>     | Compliance to EN61000-3-3; EN61000-3-2 |

## OTHERS

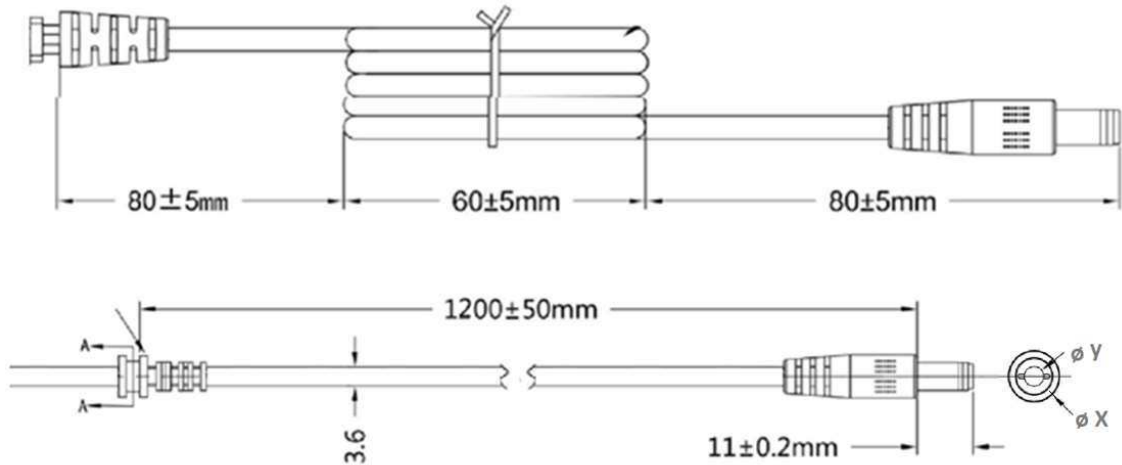
|                         |                                   |                                |
|-------------------------|-----------------------------------|--------------------------------|
| <b>DC wire and plug</b> | Wire: 18AWG, length = 123cm ±50mm | Plug: 2.1/5.5, positive inside |
| <b>Dimensions</b>       | 95 x 45 x 70mm (L x W x H)        |                                |
| <b>Net Weight</b>       | 130g                              |                                |

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.
3. Tolerance includes set up tolerance, line regulation and load regulation.
4. Setup and rise time is measured from 0 to 90% rated output voltage.
5. Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.

## MECHANICAL SPECIFICATION



## MECHANICAL SPECIFICATION of wire



| *MODEL                 | DC PLUG          | X [mm]     | Y [mm]     | Polarity               |
|------------------------|------------------|------------|------------|------------------------|
| <b>CLW-2005-W2E-EB</b> | <b>5.5x2.1mm</b> | <b>5.5</b> | <b>2.1</b> | <b>center positive</b> |
| CLW-2005-W2E-EB25      | 5.5x2.5mm        | 5.5        | 2.5        | center positive        |
| CLW-2005-W2E-EB13      | 3.5x1.3mm        | 3.5        | 1.3        | center positive        |
| CLW-2005-W2E-EB40      | 4.0x1.7mm        | 4.0        | 1.7        | center positive        |
| CLW-2005-W2E-EB48      | 4.8x1.7mm        | 4.8        | 1.7        | center positive        |
| CLW-2005-W2E-EB-CN     | 5.5x2.1mm        | 5.5        | 2.1        | center negative        |
| CLW-2005-W2E-EB25-CN   | 5.5x2.5mm        | 5.5        | 2.5        | center negative        |
| CLW-2005-W2E-EB13-CN   | 3.5x1.3mm        | 3.5        | 1.3        | center negative        |
| CLW-2005-W2E-EB40-CN   | 4.0x1.7mm        | 4.0        | 1.7        | center negative        |
| CLW-2005-W2E-EB48-CN   | 4.8x1.7mm        | 4.8        | 1.7        | center negative        |