



CLW-1309-W2E-EB-L

9V / 1.5A 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-1309-W2E-EB-L |
|-------|-------------------|

OUTPUT

| | |
|---------------------------|------------------------------------|
| Rated Voltage | 9V |
| Rated Current | 1.5A |
| Current Range | 0 ÷ 1.5A |
| Rated Power | 13W |
| Line Regulation | ± 2% |
| Load Regulation | ± 5% |
| Tolerance [3] | ± 8% |
| Ripple & Noise (max.) [2] | 150mV _{p-p} |
| Setup, Rise Time [4] | 1000ms, 20ms / 230VAC at full load |
| Hold up Time (typ.) | 10ms / 230VAC at full load |

INPUT

| | |
|----------------------------------|-------------------------------|
| Voltage Range | 90 ÷ 264VAC |
| Frequency Range | 47 ÷ 63Hz |
| Efficiency (typ.) | 84.09% |
| AC Current (typ.) | 0.3A / 115VAC, 0.16A / 230VAC |
| No load Power Consumption (max.) | 0.075W |

PROTECTIONS

| | |
|------------------|-----------------------------------------------------------------------------------------------------------|
| Overload | Range: 140-180% Type: fold forward mode(current rises, voltage drops) next hiccup mode, auto-recovery. |
| Short Circuit | Type: hiccup mode, auto-recovery. |
| Over Temperature | 140°C±10°C(detect on main control IC) Type: shut off output voltage, auto-recovery. |



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WORKING ENVIRONMENT

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

SAFETY and EMC REGULATIONS

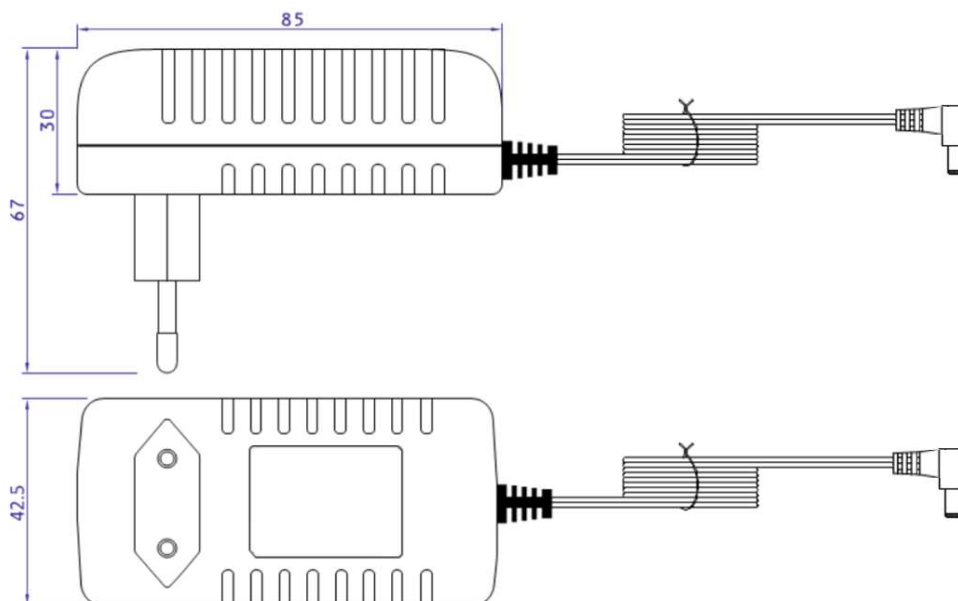
| | |
|-----------------------------|----------------------------------------|
| Safety Standards | Compliance to EN 62368 |
| Withstand Voltage | IN/OUT: 3.6kVAC |
| Isolation Resistance | IN/OUT: 50MΩ/500VDC/25°C/70% |
| EMC Emission | Compliance to EN55032 |
| EMC Immunity | Compliance to EN61000-4-2,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

OTHERS

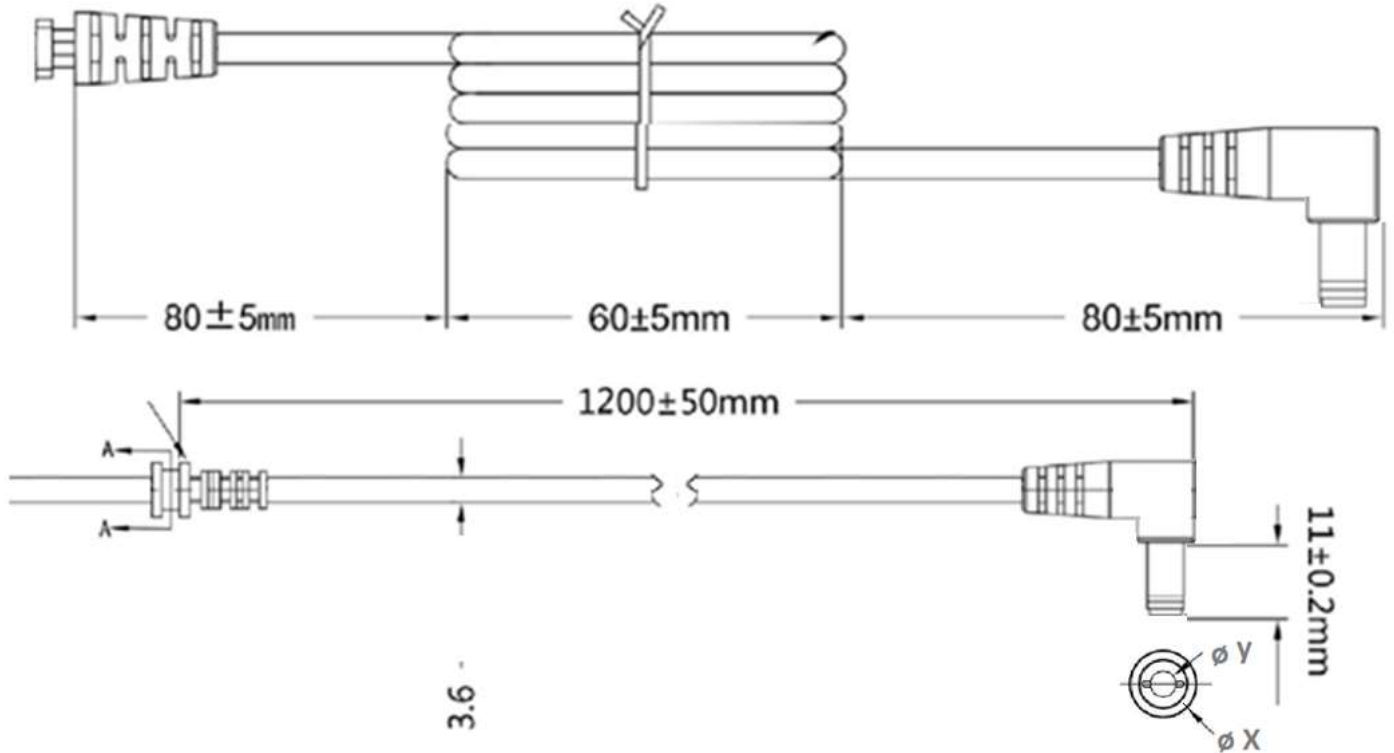
| | | |
|-------------------------|--------------------------------------|----------------------------------|
| DC wire and plug | Wire: 22AWG*2C, length = 120mm ±50mm | Plug: 2.1/5.5 L, positive inside |
| Dimensions | 85 x 42.5 x 67mm (L x W x H) | |
| Net Weight | 100g | |

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 |
|-----------------------|-----------|--------|--------|-----------------|
| CLW- 1309-W2E-EB-L | 5.5x2.1mm | 5.5 | 2.1 | center positive |
| CLW- 1309-W2E-EB25 | 5.5x2.5mm | 5.5 | 2.5 | center positive |
| CLW- 1309-W2E-EB13 | 3.5x1.3mm | 3.5 | 1.3 | center positive |
| CLW- 1309-W2E-EB40 | 4.0x1.7mm | 4.0 | 1.7 | center positive |
| CLW- 1309-W2E-EB48 | 4.8x1.7mm | 4.8 | 1.7 | center positive |
| CLW- 1309-W2E-EB-CN | 5.5x2.1mm | 5.5 | 2.1 | center negative |
| CLW- 1309-W2E-EB25-CN | 5.5x2.5mm | 5.5 | 2.5 | center negative |
| CLW- 1309-W2E-EB13-CN | 3.5x1.3mm | 3.5 | 1.3 | center negative |
| CLW- 1309-W2E-EB40-CN | 4.0x1.7mm | 4.0 | 1.7 | center negative |
| CLW- 1309-W2E-EB48-CN | 4.8x1.7mm | 4.8 | 1.7 | center negative |

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