



# CLD-6012-T2-EB

12V / 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  $P < 0.25W$
- Protections: Overload / Short circuit / Over Temperature

## ELECTRICAL SPECIFICATION

<b>MODEL</b>	CLD-6012-T2-EB
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### OUTPUT

<b>Rated Voltage</b>	12V
<b>Rated Current</b>	5A
<b>Current Range</b>	0 ÷ 5A
<b>Rated Power</b>	60W
<b>Line Regulation</b>	± 2%
<b>Load Regulation</b>	± 5%
<b>Tolerance [3]</b>	± 8%
<b>Ripple &amp; Noise (max.) [2]</b>	200mV <sub>p-p</sub>
<b>Setup, Rise Time [4]</b>	1000ms, 20ms / 230VAC at full load
<b>Hold up Time (typ.)</b>	10ms / 230VAC at full load

### INPUT

<b>Voltage Range</b>	90 ÷ 264VAC
<b>Frequency Range</b>	47 ÷ 63Hz
<b>Efficiency (typ.)</b>	90%
<b>AC Current (typ.)</b>	0.69A / 115VAC, 0.5A / 230VAC
<b>No load Power Consumption (max.)</b>	0.25W

### PROTECTIONS

<b>Overload</b>	Range: 110 ÷ 150% Type: hiccup mode, auto-recovery.
<b>Short Circuit</b>	Type: hiccup mode, auto-recovery.
<b>Over voltage</b>	Range: 12 ÷ 19V Type: hiccup mode, auto-recovery
<b>Over temperature</b>	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 60950-1
<b>Withstand Voltage</b>	IN/OUT: 3.6kVAC
<b>Isolation Resistance</b>	IN/OUT: 100MΩ/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>Wire and plug</b>	Wire: 20AWG, length = 105cm ±50mm	Plug: IEC C8
	Wire: 18AWG, length = 125cm ±50mm	Plug: 2.1/5.5, positive inside
<b>Dimensions</b>	115 x 74 x 31mm (L x W x H)	
<b>Net Weight / gross</b>	205g / 292g	

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.

