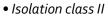
CLD-2412-T2-E series

24W Switching Power Supply



■ Features:

- Constant voltage design
 - European AC input
- Protections: Short circuit / Overload / Over voltage / Over temperature
 - Cooling by free air convection







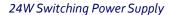




©ELECTRICAL SPECIFICATION

MODEL	CLD 2412 T2 E	
OUTPUT		
Rated Voltage	12V	
Rated Current	2A	
Rated Power	24W	
Line Regulation	± 1%	
Load Regulation	± 2%	
Tolerance [3]	± 5%	
Ripple & Noise (max.) [2]	180 mV _{P-P}	
Setup, Rise Time [4]	300ms, 20ms / 230VAC at full load	
Hold up Time	50ms / 230VAC at full load	
INPUT		
Voltage Range	100 ÷ 264VAC	
Frequency Range	47 ÷ 63Hz	
Efficiency (typ.)	82.5%	
AC Current (typ.)	0.7A / 115VAC, 0.35A / 230VAC	
PROTECTIONS		
Overload	Range: 110 ÷ 150% rated current	
	Type: hiccup mode, auto-recovery.	
Short Circuit	Type: hiccup mode, auto-recovery.	
Over voltage	18 ÷ 25VDC	
	Type: hiccup mode, auto-recovery.	
Over temperature	140°C±10°C(detect on main control IC)	
	Type: hiccup mode, auto-recovery.	

CLD-2412-T2-E series



WORKING ENVIRONMENT



Working Temperature	0°C ÷ 40°C	
Working Humidity	5 ÷ 95% RH non-condensing	
Storage Temperature and Humidity	-20°C ÷ 85°C, 5 ÷ 95% RH non-condensing	
SAFETY AND EMC REGULATIONS [5]		
Safety Standards	Compliance to EN60950-1	
Withstand Voltage	I-P/O-P: 3.0kVAC; I-P/GND: 1.5kVAC; O-P/GND: 0.5kVAC	
FMC Funission	Compliance to ENECO33	

EMC Emission	Compliance to EN55022
EMC Immunity	Compliance to EN55024

Compliance to EN61000-3-3; EN61000-3-2 **Harmonic Current**

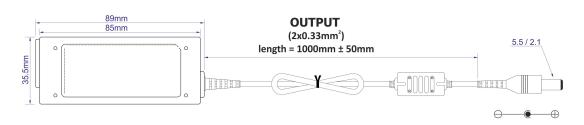
OTHERS

Dimensions	85 x 89 x 35.5 x 27.5mm (length x total length x width x height)
Weight and Packing	0.2kg; 50pcs./ctn; ctn weight and dimensions: 11.5kg; 48.5 x 32.5 x 40cm

- 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 $0.1\mu F$ i $47\mu F$ parallel capacitor. 3. Tolerance includes set up tolerance, line regulation and load regulation.

OMECHANICAL SPECIFICATION





^{4.} Setup and rise time is measured from 0 to 90% rated output voltage.
5. According to EN61204-3 standard power supply is considered as component not indented to apply by end-user. It might turn out to use additional EMI filter (eq. 06IB2S) or/and feriite cores (eq. 74271222) mounted on input and output wires to achieve compliance with EMC standards. The final equipment with power supply must be re-quality to comply with EMC Directives.