

MPL-06LC series

6W Single output switching power supply



■ Features:

- Constant voltage design
- Protections: Short circuit / Overload
- Cooling by free air convection
- 100% full load burn-in test
- IP20



ELECTRICAL SPECIFICATION

MODEL	MPL-06-12LC	MPL-06-24LC
Output		
Rated Voltage	12V	24V
Rated Current	0.5A	0.25A
Current Range	0 ÷ 0.5A	0 ÷ 0.25A
Rated Power	6W	
Line Regulation	± 3%	
Load Regulation	± 3%	
Tolerance [3]	± 5%	
Ripple & Noise (max.) [2]	480mV _{p-p}	
Setup, Rise Time [4]	450ms, 55ms / 230VAC at full load	
Hold up Time (typ.)	70ms / 230VAC at full load	

INPUT

Voltage Range	220÷ 240VAC
Frequency Range	47 ÷ 63Hz
Efficiency (typ.)	77%
AC Current (typ.)	0.07A / 230VAC

PROTECTIONS

Overload	Range: above 140% of rated power
	Type: hiccup mode, auto-recovery.
Short Circuit	Type: hiccup mode, auto-recovery.

WORKING ENVIRONMENT

Working Temperature	-5°C ÷ 50°C
Working Humidity	20 ÷ 90% relative humidity(non-condensing)
Storage Temperature and Humidity	-40°C ÷ 60°C, 10 ÷ 95% relative humidity(non-condensing)

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SAFETY and EMC REGULATIONS

Safety Standards	Compliance to EN61347-1, EN61347-2-13, EN60598-1, EN60598-2-6
Withstand Voltage	WE/WY: 3.0kVAC
EMC Emission	Compliance to EN55015
EMC Immunity	Compliance to EN61547
Harmonic Current	Compliance to EN61000-3-3; EN61000-3-2

OTHERS

Dimensions	40 x 37 x 22mm (dł. x dł. całkow. x szer. x wys.)
Net Weight	85g

EAN



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

