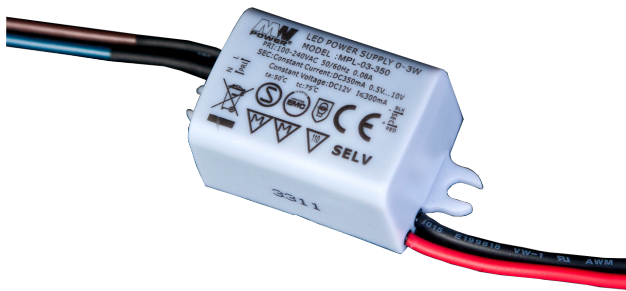


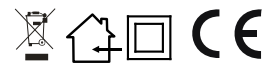
MPL-03 series

Power supply for LED 3W



■ Features:

- Protections: short-circuit / overload
- Cooling with free air flow
- Operation as a current or voltage source
- IP65 tightness class
- Low price



ELECTRICAL SPECIFICATION

MODEL	MPL-03-350	MPL-03-700
OUTPUT		
RATED VOLTAGE	12V for $I \leq 300\text{mA}$	4V for $I \leq 650\text{mA}$
RATED CURRENT	350mA	700mA
CURRENT RANGE	3W	
RATED POWER	0.5V - 10.5VDC	0.5 - 4VDC
LINE REGULATION	$\pm 8\%$	
LOAD REGULATION	62mV _{p-p}	140mV _{p-p}

INPUT	
VOLTAGE RANGE	90 ÷ 264VAC
INPUT VOLTAGE	100 ÷ 240VAC
FREQUENCY RANGE	47 ÷ 63Hz
INPUT FREQUENCY	50 ÷ 60Hz
INPUT POWER FACTOR	PF ≥ 0.5
EFFICIENCY (TYP.)	68%
AC CURRENT (TYP.)	0.1A / 230VAC
INRUSH CURRENT (MAX.)	20A

PROTECTIONS		
OVERLOAD	Range: - $I_{out} < 350\text{mA}$ – working as a voltage source - $I_{out} > 350\text{mA}$ – working as a current source (limiting the output voltage)	Range: - $I_{out} < 700\text{mA}$ – working as a voltage source - $I_{out} > 700\text{mA}$ – working as a current source (limiting the output voltage)
SHORT CIRCUIT	Type: hiccup mode, auto-recovery.	

WORKING ENVIRONMENT	
WORKING TEMPERATURE	-10°C ÷ 50°C
WORKING HUMIDITY	20 ÷ 90% RH non-condensing
STORAGE TEMPERATURE AND HUMIDITY	-10°C ÷ 85°C, 5 ÷ 90% RH non-condensing

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Power supply for LED 3W



SAFETY AND EMC REGULATIONS

WITHSTAND VOLTAGE	IN/OUT: 3.75kVAC
EMC EMISSION	Compliance to EN55015
HARMONIC CURRENT	Compliance to EN61000 – 4 - 2

OTHERS

DC WIRE AND PLUG	Wire: 2x22AWG, length = 150mm
DIMENSIONS	53 x 37 x 26 x 21mm (L all x L x W x H)
NET WEIGHT	40g
MTBF	20000h

EAN CODE

MECHANICAL SPECIFICATION

