

FTPC60C series

60W Constant Current LED Power Supply



■ Features:

- Constant Current design
- Universal AC input range
- Protections: Short circuit / Over current / Over voltage
- Cooling by free air convection
- Compliance to worldwide regulations for lighting



⊙ ELECTRICAL SPECIFICATION

MODEL	FTPC60C700	FTPC60C1050	FTPC60C1400	FTPC60C2100
WYJŚCIE				
Rated Current	700mA	1050mA	1400mA	2100mA
No Output DC Voltage	100VDC	70VDC	51VDC	36VDC
Voltage Range	43 ÷ 86VDC	28.5 ÷ 57VDC	21 ÷ 42.5VDC	14.5 ÷ 28.5VDC
Rated Power	60.2W	59.85W	59.5W	59.85W
Current Accuracy	10%			
Ripple & Noise (max.) [2]	150mA _{p-p}	90mA _{p-p}	180mA _{p-p}	70mA _{p-p}
Current Tolerance [3]	± 10%			
Setup, Rise Time [4]	500ms, 50ms / 230VAC at full load			
Hold up Time (typ.)	20ms / 230VAC at full load			
INPUT				
Voltage Range	200 ÷ 240VAC			
Frequency Range	47 ÷ 63Hz			
Power Factor (typ.)	PF > 0.9 / 230VAC at full load			
Efficiency (typ.)	85%			
AC current (typ.)	0.4A / 230VAC			
Inrush current (max.)	120A / 230VAC (25°C)			
No Load Power Consumption (max.)	< 1W			
PROTECTIONS				
Over Temperature	Range: 140°C – detect on main control IC Type: shut down output voltage, recovers automatically after fault conditions is removed.			
Short Circuit	Type: Hiccup mode. Recovers automatically after fault condition is removed.			

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WORKING ENVIRONMENT

Working Temperature	-20°C ÷ +45°C
Working Humidity	45 ÷ 85% RH non-condensing
Storage Temperature and Humidity	-30°C ÷ +70°C, 10 ÷ 95% RH non-condensing

SAFETY AND EMC REGULATIONS

Safety Standards	Compliance to EN61347-1, EN61347-2-13
Withstand Voltage	IN/OUT: 3.75kVAC
EMC Emission	Compliance to EN55015
EMC Immunity	Compliance to EN61547
Harmonic Current	Compliance to EN61000-3-2, EN61000-3-3

OTHERS

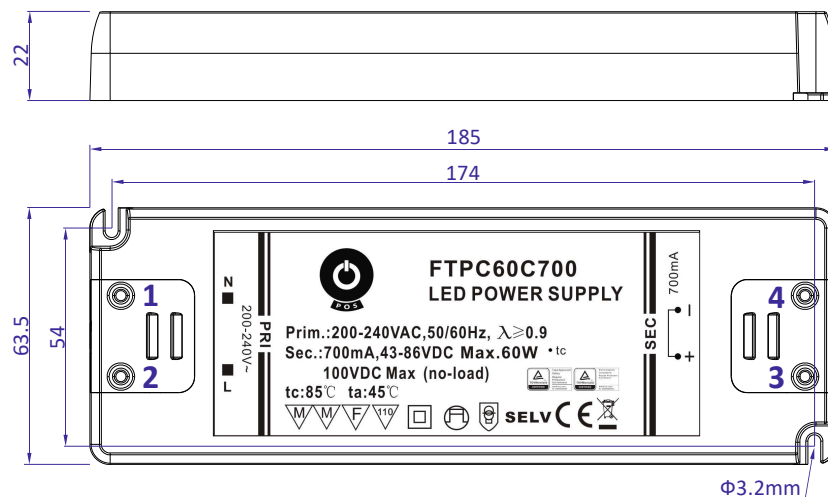
Dimensions	185 x 63.5 x 22mm (L x W x H)
Weight and Packing	0.4kg; 50pcs./box

EAN Code



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



PIN ASSIGNMENT

No.	Assignment	No.	Assignment
1	Input: AC/N/L	3	Output: U _{OUT} +
2	Input: AC/N/L	4	Output: U _{OUT} -