FTPC6V-FP series

6W LED Switching Power Supply

■ Features:

- Constant voltage design
- European AC input range
- Protections: Short circuit / Overload / Over temperature
- Compliance to ERP directive
- lifetime 30000hrs.
- IP44

◎ELECTRICAL SPECIFICATION

MODEL	FTPC6V12-FP	FTPC6V24-FP
OUTPUT		
Rated Voltage	12V	24V
Rated Current	0.5A	0.25A
Current Range	0.0 ÷ 0.5A	0.0 ÷ 0.25A
Rated Power	6W	6W
No Load Output Voltage (max.)	11.96V	23.97V
Line Regulation	± 1%	
Load Regulation	± 2%	
Voltage Tolerance [3]	± 5%	
Ripple & Noise (max.) [2]	200mV$_{P-P}$	
Setup, Rise Time [4]	17.5ms, 18ms / 230VAC at full load	
Hold up Time (typ.)	17ms / 230VAC at full load	
INPUT		
Voltage Range	180 ÷ 264VAC	
Frequency Range	47 ÷ 63Hz	
Power Factor (typ.)	PF > 0.6 / 230VAC at full load	
Efficiency (typ.)	75%	75%
AC current (typ.)	0.04A / 230VAC	
Inrush current (max.)	<60A / 230VAC (25°C)	
No Load Power Consumption (max.)	< 1W	
PROTECTIONS		
Over Current	Range: > 160%	
	Type: hiccup mode. Recovers automatically after fault condition 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 ÷ +80°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	132 x 52 x 12mm (L x W x H)
Weight and Packing	0.2kg; 50pcs./box
EAN Code	5902135125632 5902135125649

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