FTPC150V series

150W LED Switching Power Supply (CV)





■ Features:

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



© ELECTRICAL SPECIFICATION				
MODEL	FTPC150V12	FTPC150V12		
ОИТРИТ				
Rated Voltage	12V	24V		
Rated Current	11A	6.25A		
Current Range	0 ÷ 11A	0 ÷ 6.25A		
Rated Power	132W	132W		
No Output Voltage (max.)	12.6V	24.8V		
Line Regulation	± 1%	± 1%		
Load Regulation	± 2%	± 2%		
Voltage Tolerance [3]	± 5%			
Ripple & Noise (max.) [2]	300mV _{P-P}	500mV _{P-P}		
Setup, Rise Time [4]	500ms, 60ms / 230VAC at full load	500ms, 60ms / 230VAC at full load		
Hold up Time (typ.)	10ms / 230VAC at full load	10ms / 230VAC at full load		
INPUT				
Voltage Range	180 ÷ 264VAC	180 ÷ 264VAC		
Frequency Range	47 ÷ 63Hz	47 ÷ 63Hz		
Power Factor (typ.)	PF > 0.9 / 230VAC at full load	PF > 0.9 / 230VAC at full load		
Efficiency (typ.)	93%	94%		
AC current (typ.)	1.0A / 230VAC	1.0A / 230VAC		
Inrush current (max.)	75A / 230VAC(25°C)	75A / 230VAC(25°C)		
No Load Power Consumption (max.)	0.5W	0.5W		
PROTECTIONS				
	Range: 110 ÷ 130%	Range: 110 ÷ 130%		
Over Current	Type: constant current limiting to 75% rated fault condition is removed.	Type: constant current limiting to 75% rated voltage next hiccup mode. Recovers automatically after fault condition is removed.		
Short Circuit	Type: hiccup mode. Recovers automatically	Type: hiccup mode. Recovers automatically after fault condition is removed.		
Over Temperature	Range: 110°C ± 10°C			
	Type: shut down output voltage. Re-power	Type: shut down output voltage. Re-power on to recovery.		

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FTPC150V series

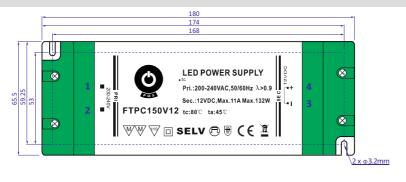
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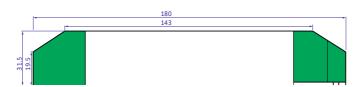


WORKING ENVIRONMENT				
Working Temperature	-20°C ÷ +45°C			
Working Humidity	45 ÷ 85% RH non-condensing			
Storage Temperature and Humidity	-30°C ÷ +70°C, 10 ÷ 95% RH non-condensing			
SAFETY AND EMC REGULATIONS				
Safety Standards	Compliance to EN61347-1, EN61347-2-13 , EN 62493			
Withstand Voltage	IN/OUT: 3.75kVAC			
EMC Emission	Compliance to EN55015			
EMC Immunity	Compliance to EN61547			
Harmonic Current	Compliance to EN61000-3-3; EN61000-3-2			
OTHERS				
Dimensions	180 x 65.5 x 31.5mm (L x W x H)			
Weight and Packing	0.45kg; 20pcs./box; box dimensions: 28.5 x 18.6 x 18.5cm			
EAN Code	5 9 0 2 1 3 5 1 2 1 7 5 7	5 9 0 2 1 3 5 1 2 1 7 6 4		

- 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.
- ${\it 3. Tolerance includes set up tolerance, line regulation and load regulation.}$
- 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	3	Output: U _{OUT} -		
2	Input: AC/L	4	Output: U _{OUT} +		

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