FTPC30V-FP series

30W LED Switching Power Supply





■Features:

- Constant voltage design
- European AC input range
- Protections: Short circuit / Overload / Over temperature
 - Compliance to ERP directive
 - lifetime 3000ohrs.
 - IP44



MODEL	FTDC20\/12 FD	ETDC20V24 ED		
MODEL	FTPC30V12-FP	FTPC30V24-FP		
OUTPUT				
Rated Voltage	12V	24V		
Rated Current	2.5A	1.25A		
Current Range	0.0 ÷ 2.5A	0.0 ÷ 1.25A		
Rated Power	30W	30W		
No Load Output Voltage (max.)	12.1V	24.1V		
Line Regulation	± 1%			
Load Regulation	± 2%	± 2%		
Voltage Tolerance [3]	± 5%	± 5%		
Ripple & Noise (max.) [2]	150mV _{P-P}			
Setup, Rise Time [4]	100ms, 80ms / 230VAC at full load			
Hold up Time (typ.)	25ms / 230VAC at full load			
INPUT				
Voltage Range	180 ÷ 264VAC			
Frequency Range	47 ÷ 63Hz			
Power Factor (typ.)	PF > 0.98 / 230VAC at full load			
Efficiency (typ.)	85%			
AC current (typ.)	0.25A / 230VAC			
Inrush current (max.)	<60A / 230VAC (25°C)			
No Load Power Consumption (max.)	<1W			
PROTECTIONS				
Over Current	Range: 120%			
	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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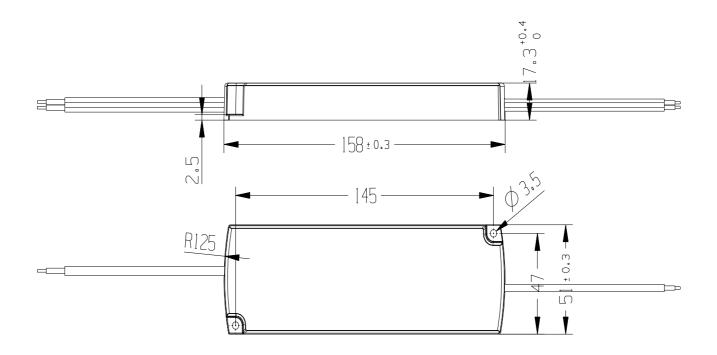
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WORKING ENVIRONMENT			
Working Temperature	-20°C ÷ +45°C		
Working Humidity	45 ÷ 85% RH non-condensing		
Storage Temperature and Humidity	-30°C ÷ +80°C, 10 ÷ 95% RH non-condensing		
SAFETY AND EMC REGULATIONS			
Safety Standards	Compliance to EN61347-1, 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	158 x 51 x 17.3mm (L x W x H)		
Weight and Packing	0.2kg; 25pcs./box		
EAN Code	5 902135 125717	5 9 0 2 1 3 5 1 2 5 7 2 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 $0.1\mu F$ i $47\mu F$ 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



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