EN-150 series

150W Constant Voltage LED Power Supply



■ Features:

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



©ELECTRICAL SPECIFICATION	ON			
MODEL	EN-150-12	EN-150-24		
ОИТРИТ				
Rated Voltage	12V	24V		
Rated Current	12.5A	6.25A		
Current Range	0 ÷ 12.5A	0 ÷ 6.25A		
Rated Power	150W	150W		
Line Regulation	± 1%	± 1%		
Load Regulation	± 0.5%	± 0.5%		
Voltage Tolerance [3]	± 5%	± 5%		
Ripple & Noise (max.) [2]	300mV _{P-P}	300mV _{P-P}		
Setup, Rise Time [4]	500ms, 50ms / 230VAC at fu	500ms, 50ms / 230VAC at full load		
Hold up Time (typ.)	25ms / 230VAC at full load	25ms / 230VAC at full load		
INPUT				
Voltage Range	200 ÷ 240VAC	200 ÷ 240VAC		
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.)	90%	90%		
AC current (typ.)	1A / 230VAC			
Inrush current (max.)	75A / 230VAC (25°C)	75A / 230VAC (25°C)		
No Load Power Consumption (max.)	< 1W	< 1W		
PROTECTIONS				
Over Current	Range: > 120%			
	Type: Hiccup mode. Recovers automatically after fault condition is removed.			
Short Circuit	Type: Hiccup mode. Recovers au	Type: Hiccup mode. Recovers automatically after fault condition is removed.		
Over Voltage	< 18V	< 36V		
	Type: Shut down output voltage. Re-power on to recovery.			
Over Temperature	Type: Shut down output voltage. Re-power on to recovery.			

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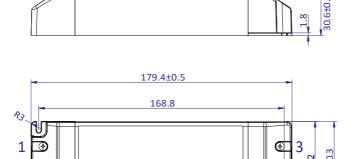
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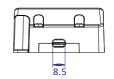
WORKING ENVIRONMENT			
Working Temperature	-20°C ÷ +45°C		
Working Humidity	45 ÷ 85% RH non-condensing		
Storage Temperature and Humidity	-30°C ÷ +70°C, 10 ÷ 95% RH non-condensing		
SAFETY AND EMC REGULATIONS			
Safety Standards	Compliance to EN61347-1, EN61347-2-13		
Withstand Voltage	IN/OUT: 3.75kVAC		
EMC Emission	Compliance to EN55015		
EMC Immunity	Compliance to EN61547		
Harmonic Current	Compliance to EN61000-3-2, EN61000-3-3		
OTHERS			
Dimensions	179.4 x 62.5 x 30.6mm (L x W x H)		
Weight and Packing	0.42kg; 20pcs./box		
EAN Code	519021351124871	519021351124888	

- 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.

OMECHANICAL SPECIFICATION

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