POS-150-C series

150W Constant Voltage Low Profile Enclosed Switching Power Supply



■ Features:

- Constant voltage design
- Universal AC input range
- Protections: Short circuit / Overload / Over voltage
 - Cooling by free air convection



MODEL	POS-150-5-C	POS-150-12-C	POS-150-24-C			
OUTPUT	100-200-0	1.002.002	, contraction of the contraction			
Rated Voltage	5V	12V	24V			
Voltage Adjustment	4.5 ÷ 5.5V	10.0 ÷ 13.5V	21.5 ÷ 26.5V			
Rated Current	22A	12.5A	6.5A			
Current Range	0 ÷ 22A	0 ÷ 12.5A	0 ÷ 6.5A			
Rated Power	110W	150W	156W			
Line Regulation	± 1%	± 1%	± 1%			
Load Regulation	± 1%	± 1%	± 1%			
Voltage Tolerance [3]	± 1%	± 1%	± 1%			
Ripple & Noise (max.) [2]	100mV _{P-P}	100mV _{P-P}	250mV _{P-P}			
Setup, Rise Time, at full load [4]	200ms, 20ms / 230VA	200ms, 20ms / 230VAC 500ms, 80ms / 230VAC				
Hold up Time (typ.)	30ms / 230VAC at full	30ms / 230VAC at full load				
INPUT						
Voltage Range	90 ÷ 132VAC, 180 ÷ 26	90 ÷ 132VAC, 180 ÷ 264VAC (selectable by switch)				
Frequency Range	47 ÷ 63Hz	47 ÷ 63Hz				
Power Factor (typ.)	PF > 0.6 / 230VAC at f	PF > 0.6 / 230VAC at full load				
Efficiency (typ.)	88%	86%	88%			
AC current (typ.)	1.7A / 230VAC, 3.0A /	1.7A / 230VAC, 3.0A / 115VAC				
Inrush current (max.)	60A / 230VAC(25°C)	60A / 230VAC(25°C)				
No Load Power Consumption (max.)	0.5W	0.5W	0.5W			
PROTECTIONS						
Over Current	Range: 110 ÷ 150%					
	Type: hiccup mode. Recovers automatically after fault condition is removed.					
Short Circuit		Type: hiccup mode. Recovers automatically after fault condition is removed.				
Over Voltage	Range: 120 ÷ 145%					
-	Type: shut down output voltage. Recovers automatically after fault condition is removed					
WORKING ENVIRONMENT						
Working Temperature	-20°C ÷ +70°C	-20°C ÷ +70°C				
Working Humidity	20 ÷ 90% RH non-cond	20 ÷ 90% RH non-condensing				
Storage Temperature and Humidity	-40°C ÷ +80°C, 10 ÷ 95% RH non-condensing					

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SAFETY AND EMC REGULATIONS

Safety Standards	Compliance to EN60950-1	
Withstand Voltage	hstand Voltage IN/OUT: 1.5kVAC; IN/GND: 1.5kVAC; OUT/GND: 500VAC	
EMC Emission	mission Compliance to EN55032, EN61000-3-2, EN61000-3-3	
EMC Immunity	Compliance to EN55024	

OTHERS

Dimensions 159 x 97 x 30mm (L x W x H)

0.45kg; 40pcs./ctn; ctn weight and dimensions: 18kg; 39 x 35.2 x 22.8cm Weight and Packing

EAN Code

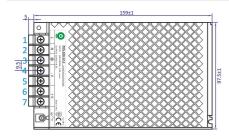


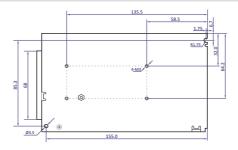


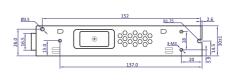


- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature
- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µF i 47µF parallel capacitor.
- 3. Tolerance includes set up tolerance, line 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

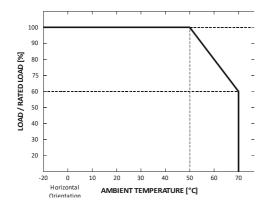




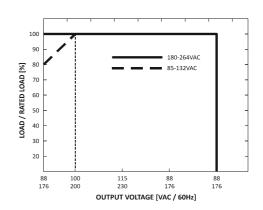


PIN ASSIGNMENT					
No.	Assignment	No.	Assignment		
1	Input: AC/N	4,5	Output: U _{OUT} -		
2	Input: AC/L	6,7	Output: U _{OUT} +		
3	GND	SVR1, VR1	Output voltage adjustment		

ODERATING CURVE



OSTATIC CHARACTERISTIC



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