ADM24 series

24W Constant Voltage Switching Power Supply



■ Features:

- Constant voltage design
- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
 - Cooling by free air convection
 - Plastic case, IP20 protection
 - Low price



ELECTRICAL SPECIFICATION

MODEL	ADM2412	ADM2424	
OUTPUT			
Rated Voltage	12V	24V	
Rated Current	2A	1A	
Rated Power	24W		
Line Regulation	± 1%		
Load Regulation	± 2%		
Tolerance [3]	± 5%		
Ripple & Noise (max.) [2]	240mV _{P-P} 480mV _{P-P}		
Setup [4]	1000ms/ 230VAC at full load		
Hold up Time	20ms / 230VAC at full load		

INPUT	
Voltage Range	110 ÷ 264VAC
Frequency Range	47 ÷ 63Hz
Efficiency (typ.)	83%
AC Current (typ.)	0.45A / 115VAC, 0.2A / 230VAC

PROTECTIONS		
Overload	Range: 105 ÷ 150% rated current	
	Type: hiccup mode, auto-recovery.	
Short Circuit	Type: hiccup mode, auto-recovery.	
Over voltage	Max. 26V	
	Type: hiccup mode, auto-recovery.	

WORKING ENVIRONMENT		
Working Temperature	-10°C ÷ 50°C	
Working Humidity 20 ÷ 90% RH non-condensing		
Storage Temperature and Humidity	-20°C ÷ 70°C, 10 ÷ 95% RH non-condensing	

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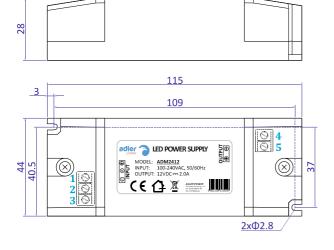


SAFETY AND EMC REGULATIONS		
Safety Standards Compliance to EN61347-1, EN61347-2-13		
Vithstand Voltage I-P/O-P: 1.5kVAC; I-P/GND: 1.5kVAC; O-P/GND: 0.5kVAC		
EMC Emission	MC Emission Compliance to EN55015	
EMC Immunity	MC Immunity Compliance to EN61547	
Harmonic Current Compliance to EN61000-3-3; EN61000-3-2		

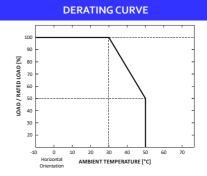
OTHERS			
Lifetime	12 000Hrs for input 230VAC, 20°C ambient te	12 000Hrs for input 230VAC, 20°C ambient temperature, full load	
Dimensions	115 x 44 x 28mm (L x W x H)	115 x 44 x 28mm (L x W x H)	
Weight and Packing	0.1kg; 120pcs./ctn; ctn weight and dimensions: 17kg; 46 x 39 x 37cm		
EAN code	5 90 2 1 3 5 4 6	5 902135 134078	

- 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



TERMINAL PIN NO. ASSIGNMENT				
PIN No.	Assignment	PIN No.	Assignment	
1	Frame Ground: GND	4	Output: -V	
2	Input: AC/N	5	Output: +V	
3	Input: AC/L			



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