ADMX24 series

24W Constant Voltage Component

■ Features:

- *Constant voltage component*
- *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	ADMX2412	ADMX2424
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

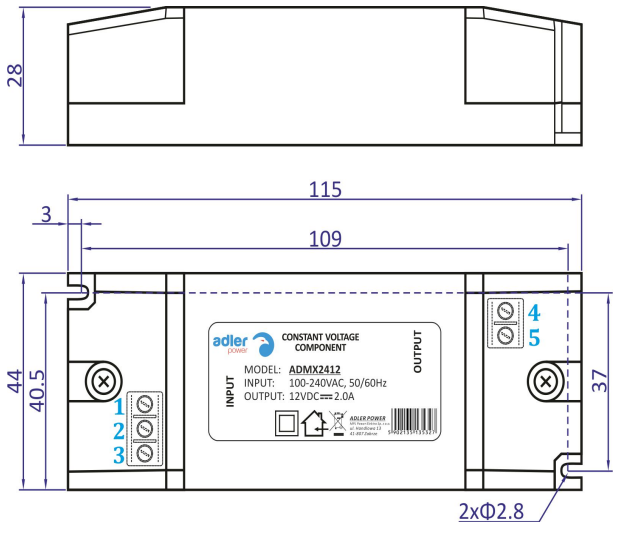
Safety Standards	Compliance to EN61347-1, EN61347-2-13
Withstand Voltage	I-P/O-P: 1.5kVAC; I-P/GND: 1.5kVAC; O-P/GND: 0.5kVAC
EMC Emission	Compliance to EN55015
EMC Immunity	Compliance to EN61547
Harmonic Current	Compliance to EN61000-3-3; EN61000-3-2

OTHERS

Lifetime	12 000Hrs for input 230VAC, 20°C ambient temperature, full load
Dimensions	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 902135 135389 / 5 902135 135396

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. According to EN61204-3 standard power supply is considered as component not indented to apply by end-user. It might turn out to use additional EMI filter (eq. 06IB2S) or/and feriite cores (eq. 74271222) mounted on input and output wires to achieve compliance with EMC standards. 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		

DERATING CURVE