## POSB09100A series

9V / 1A Wall mounted type AC/DC adaptor



#### ■ Features:

- Universal AC input / Full range
- ErP step II / CEC level VI compliance
- No load power consumption P < 0.075W
- Protections: Overload / Short circuit / Over Voltage











### **ELECTRICAL SPECIFICATION**

MODEL	POSB 09100A
OUTPUT	
Rated Voltage	9V
Rated Current	1A
Current Range	0 ÷ 1A
Rated Power	9W
Line Regulation	± 1%
Load Regulation	± 5%
Tolerance	± 8%
Ripple & Noise (max.)	120mV <sub>P-P</sub>
Setup, RiseTime	5000ms, 30ms / 230VAC at full load
Hold up Time (typ.)	4ms / 230VAC at full load

INPUT	
Voltage Range	90 ÷ 264VAC
Frequency Range	47 ÷ 63Hz
Efiiciency (typ.)	80.36%
AC Current (typ.)	0.3A / 230VAC
No load Power Consumption (max.)	0.075W

PROTECTIONS	
Overload	Range: 105-200%
Overtouu	Auto-recovery.
Short Circuit	Type: hiccup mode, auto-recovery.
Over Voltage	Type: auto-recovery.

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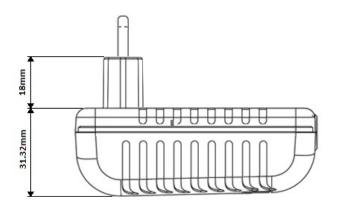


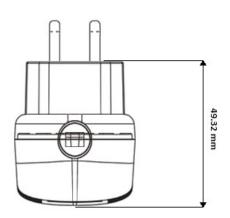
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WORKING ENVIRONMENT	
Working Temperature	0°C ÷ 45°C
Working Humidity	5 ÷ 90% RH non-condensing
Storage Temperature and Humidity	-20°C ÷ 85°C, 5 ÷ 90% RH non-condensing

SAFETY and EMC REGULATIONS	
Safety Standards	Compliance to EN 62386-1
Withstand Voltage	IN/OUT: 3.6kVAC
Isolation Resistance	IN/OUT: 50MΩ/500VDC/25°C/70%
EMC Emission	Compliance to EN55032
EMC Immunity	Compliance to EN61000-4-2, -3, -4, -5
Harmonic Current	Compliance to EN61000-3-3; EN61000-3-2

OTHERS		
DC wire and plug	Wire: 24AWG*2C, length = 1200mm	Plug: 2.1/5.5, positive inside
Net Weight / Dimensions	80.4g / 67 x 38 x 74mm (L x W x H)	
MECHANICAL SPECIFICATION		



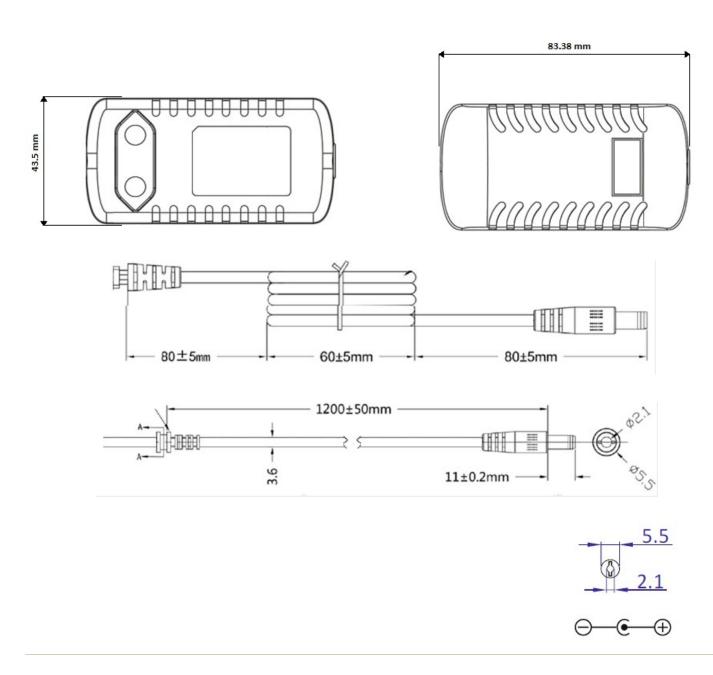


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#### MECHANICAL SPECIFICATION: DC wire and plug



- 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  $12^n$  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.