## POSB12500D series



12V / 5A Desktop 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











MODEL	POSB 12500D
OUTPUT	
Rated Voltage	12V
Rated Current	5A
Current Range	0 ÷ 5A
Rated Power	60W
Line Regulation	± 2%
Load Regulation	± 5%
Tolerance	± 8%
Ripple & Noise (max.)	200mV <sub>P-P</sub>
Setup, Rise Time	1000ms, 20ms / 230VAC at full load
Hold up Time (typ.)	10ms / 230VAC at full load

INPUT	
Voltage Range	90 ÷ 264VAC
Frequency Range	47 ÷ 63Hz
Efiiciency (typ.)	89.83%
AC Current (typ.)	0.7A / 230VAC
No load Power Consumption (max.)	0.1W

PROTECTIONS	
Overload	Range: 110-150%
	Auto-recovery.
Short Circuit	Type: hiccup mode, auto-recovery.
Over Voltage	Type: hiccup mode, auto-recovery.
Over temperature	Type: hiccup mode, auto-recovery.

## POSB12500D series



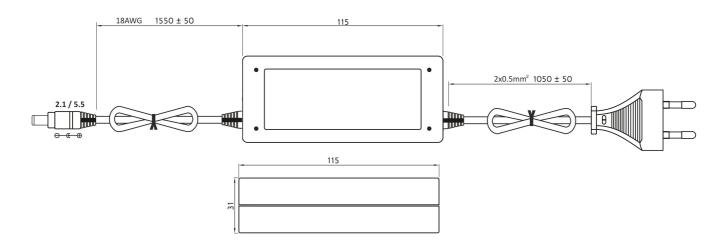
12V / 5A Desktop type AC/DC adaptor

WORKING ENVIRONMENT		
Working Temperature	0°C ÷ 40°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 60950-1
Withstand Voltage	IN/OUT: 3.6kVAC
Isolation Resistance	IN/OUT: 100MΩ/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: 20AWG*2C, length = 1550mm	Plug: 2.1/5.5, positive inside
Net Weight / Dimensions	200g / 115 x 74 x 31mm (L x W x H)	

## **MECHANICAL SPECIFICATION**



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