EB0612 series

12V / 0.5A Wall mounted type AC/DC adaptor



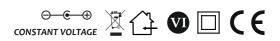
Features:



• Universal AC input / Full range

- Wall mounted type, Isolation class II design
 - ErP step II / CEC level VI compliance
 - No load power consumption P < 0.075W

• Protections: Overload / Short circuit / Over Temperature



ELECTRICAL SPECIFICATION

MODEL	EB0612
OUTPUT	
Rated Voltage	12V
Rated Current	0.5A
Current Range	0 ÷ 0.5A
Rated Power	6W
Line Regulation	± 1%
Load Regulation	± 1%
Tolerance [3]	± 5%
Ripple & Noise (max.) [2]	130mV _{P-P}
Setup, RiseTime [4]	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.) 83% AC Current (typ.) 0.15A / 115VAC, 0.07A / 230VAC No load Power Consumption (max.) 0.075W

PROTECTIONS	
Overload	Range: 140-180%
	Type: fold forward mode(current rises, voltage drops) to 7V next hiccup mode, auto-recovery.
Short Circuit	Type: hiccup mode, auto-recovery.
OverTemperature	140°C±10°C(detect on main control IC)
	Type: shut off output voltage, auto-recovery.

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WORKING ENVIRONMENT

Working Temperature	0°C ÷ 40°C
Working Humidity	10 ÷ 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: 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: 22AWG*2C, length = 120mm Plug: 2	Wire: 22AWG*2C, length = 120mm Plug: 2.1/5.5, positive inside	
Dimensions	67 x 38 x 74mm (L x W x H)		
Net Weight	75g		

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

