

EBD1212 series

12V / 1A 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 | EBD1212 |
|----------------------------------|--|
| OUTPUT | |
| Rated Voltage | 12V |
| Rated Current | 1A |
| Current Range | 0 ÷ 1A |
| Rated Power | 12W |
| Line Regulation | ± 2% |
| Load Regulation | ± 5% |
| Tolerance [3] | ± 8% |
| Ripple & Noise (max.) [2] | 120mV _{p-p} |
| Setup, Rise Time [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 |
| Efficiency (typ.) | 82% |
| AC Current (typ.) | 0.13A / 115VAC, 0.065A / 230VAC |
| No load Power Consumption (max.) | 0.075W |
| PROTECTIONS | |
| Overload | Range: 140-180% Type: hiccup mode, auto-recovery. |
| Short Circuit | Type: hiccup mode, auto-recovery. |
| Over temperature | Type: hiccup mode, 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: 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

| | | |
|---------------------------|-------------------------------------|--------------------------------|
| Wire and plug | Wire: 20AWG, length = 106,5cm ±50mm | Plug: AC230V |
| | Wire: 22AWG, length = 126,5cm ±50mm | Plug: 2.1/5.5, positive inside |
| Dimensions | 90 x 75 x 30mm (L x W x H) | |
| Net Weight / gross | 115g / 136g | |

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 intended 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

