EB1809 series

Adaptor 9V/2A

■ **Features:**

- Protections:Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Isolation class II
- No load power consumption < 0.3W
- Low price

ELECTRICAL SPECIFICATION

MODEL	EB1809
OUTPUT	
RATED VOLTAGE	9VDC
RATED CURRENT	2A
RIPPLE & NOISE (max.) [2]	90mV$_{P-P}$
RATED POWER	18W
LINE REGULATION	± 1%
LOAD REGULATION	± 3%
TOLERANCE [3]	± 5%
SETUP, HOLD UP TIME [4]	3000ms, 20ms / 230VAC at full load
INPUT	
VOLTAGE RANGE	90 ÷ 264VAC; 127 ÷ 370VDC
FREQUENCY RANGE	47 ÷ 63Hz
EFFICIENCY (typ.)	80%
AC CURRENT (typ.)	0.4A/115VAC, 0.2A / 230VAC
NO LOAD POWER CONSUMPTION (max.)	0.3W
PROTECTIONS	
OVERLOAD	Range: 115 ÷ 200% Type: hiccup mode, auto-recovery.
SHORT CIRCUIT	Type: hiccup mode, auto-recovery.
OVER VOLTAGE	Range: 12 ÷ 16V Type: hiccup mode, auto-recovery.
OVER TEMPERATURE	Type: shut off output voltage. Auto-recovery.
WORKING ENVIRONMENT	
WORKING TEMPERATURE	-5°C ÷ 40°C
WORKING HUMIDITY	10 ÷ 90% RH non-condensing
STORAGE TEMPERATURE AND HUMIDITY	-20°C ÷ 60°C, 10 ÷ 90% RH non-condensing

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SAFETY AND EMC REGULATIONS	
WITHSTAND VOLTAGE	I-P/O-P: 3kVAC
SAFETY STANDARDS	Compliance to EN60950-1
EMC EMISSION	Compliance to EN55022
EMC IMMUNITY	Compliance to EN55024
HARMONIC CURRENT	Compliance to EN61000-3-3; EN61000-3-2
OTHERS	
TERMINALS	Input: CEE 7/16 plug; Output: wire 22AWGx2C, length = 1500mm
DC PLUG	Female 2.1/ 5.5, V+ inside
DIMENSIONS	85*43*69(L*W*H)
WEIGHT	0.11kg; 100pcs./box; box weight and dimensions: 13.5kg; 48 x 38.5 x 25cm

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 a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment must be re-qualify to comply with EMC Directives.

MECHANICAL SPECIFICATION