

30W Open Frame Single Output Power Supply

NAD-300X series

Feature:

- 90 to 264Vac universal input range.
- Meet UL, CSA, TUV safety .
- EMI/RFI meet VDE & FCC limit B.
- 30Watts in 130 × 70 × 30mm Size.
- 2 Year Warranty.

Specifications: typical at nominal line, full load at 25 ° C.

Input Specifications:	General Specifications:
Input voltage: 90 to 264Vac	Efficiency: 70% typical at full load
Input Frequency: 47 Hz to 440Hz	Hold-up time: 16ms @ 110Vac full load
Input inrush current: 20A at 115Vac 40A at 230Vac	EMI/RFI: VDE & FCC Class B limits
Earth leakage: 0.2mA max @ 110VAC 0.4mA max @ 230VAC	Dielectric Withstand: Input/output: 4500Vdc/10mA/1sec Input/Ground: 2500Vdc/10mA/1sec
Output Specifications:	Safety Approval: UL UL1950 CSA 22.2-234/950 TUV EN60950
Output Rating: See Rating Charts	
Line Regulation: ±1% max	Switching frequency: 20kHz
Load Regulation: ±2% max.	Weight: 280g
Transient Response: ±1% max.dev. (Full to half load) 500uSec recovery	MTBF: 100,000hours(MIL-HDBK-217F)
	Environmental Specifications:
Temperature Coefficient: ±0.05% / °C	Operating temperature: 0 to +50°C
Ripple & Noise: 1% P-P max	Storage temperature: -20 to +85°C
Protections: a. Over current protection b. Over voltage protection c. Over power protection d. Short circuit protection	Humidity: 20 to 90 % RH non-condensing
	Vibration: 2.4G , 5 to 500Hz
	Cooling: Free air convection

Note:

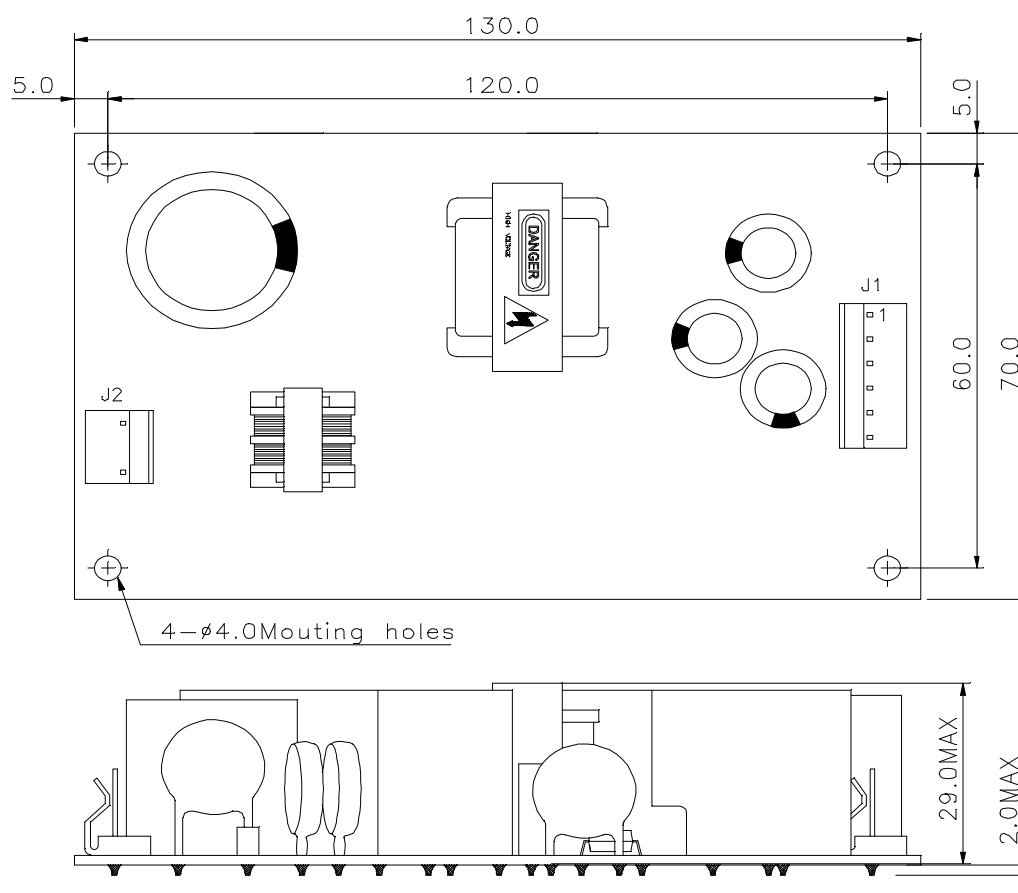
1. Other output voltage versions available. Consult factory for details.
2. Vibration test: Three orthogonal axes, random vibration, 10 minutes for each axis.
3. Maximum output power is 30W.

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Model No.	Output Voltage	Output Current Minimum	Output Current Maximum	Max. Power
NAD-3001	5V	0mA	6000mA	30W
NAD-3002	12V	0mA	2500mA	30W
NAD-3003	15V	0mA	2000mA	30W
NAD-3004	24V	0mA	1250mA	30W

Dimensions: mm $\pm$ 0.5mm



DC Output Pin Functions	
Pin1,2,3	Vo1
Pin4,5,6	DC COM

- DC output mating connector is Molex 09-91-0600
- AC input mating connector is Molex 09-953-031