

15Watts 3.3V & 5V Open Frame Dual Output



Model No: NAD-32

Feature:

- 90 to 264Vac universal input range.
- UL/CUL, TUV safety approval..
- EMI/RFI meet VDE & FCC limit B.
- Low cost & compact size.
- 15Watts in 95×60×32mm 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 63Hz	Hold-up time: 15ms @ 115Vac full load
Input inrush current: 20A at 115Vac 40A at 230Vac	EMI/RFI: VDE & FCC Class B limits
Earth leakage: 0.2mA max @ 115Vac 0.4mA max @ 230Vac	Dielectric Withstand: Input/output: 3000Vac Input/Ground: 1500Vac
Output Specifications:	* Safety Approval: UL/CUL UL60950 TUV EN60950
Output Rating: Vo1: +5V/1A Vo2: +3.3V/3A	
Output Voltage Accuracy : ± 5% max.	Switching frequency: 30kHz(reference)
Line Regulation: ± 1% max.	Weight: 150g
Load Regulation: ± 5% max. (Full to half load)	MTBF: 100,000hours(MIL-HDBK-217F)
Transient Response: ± 2% max.dev. (Full to half load) 500uS recovery	Environmental Specifications:
Temperature Coefficient: ± 0.04% / °C	Operating temperature: 0 to +50°C
Ripple & Noise: 80mVp-p max.	Storage temperature: -20 to +85°C
Protections: a. Over voltage protection b. Over power protection c. Short circuit protection	Humidity: 5 to 95 % RH non-condensing
	Vibration: 2.4G , 5 to 500Hz
	Cooling: Free air convection

Note:

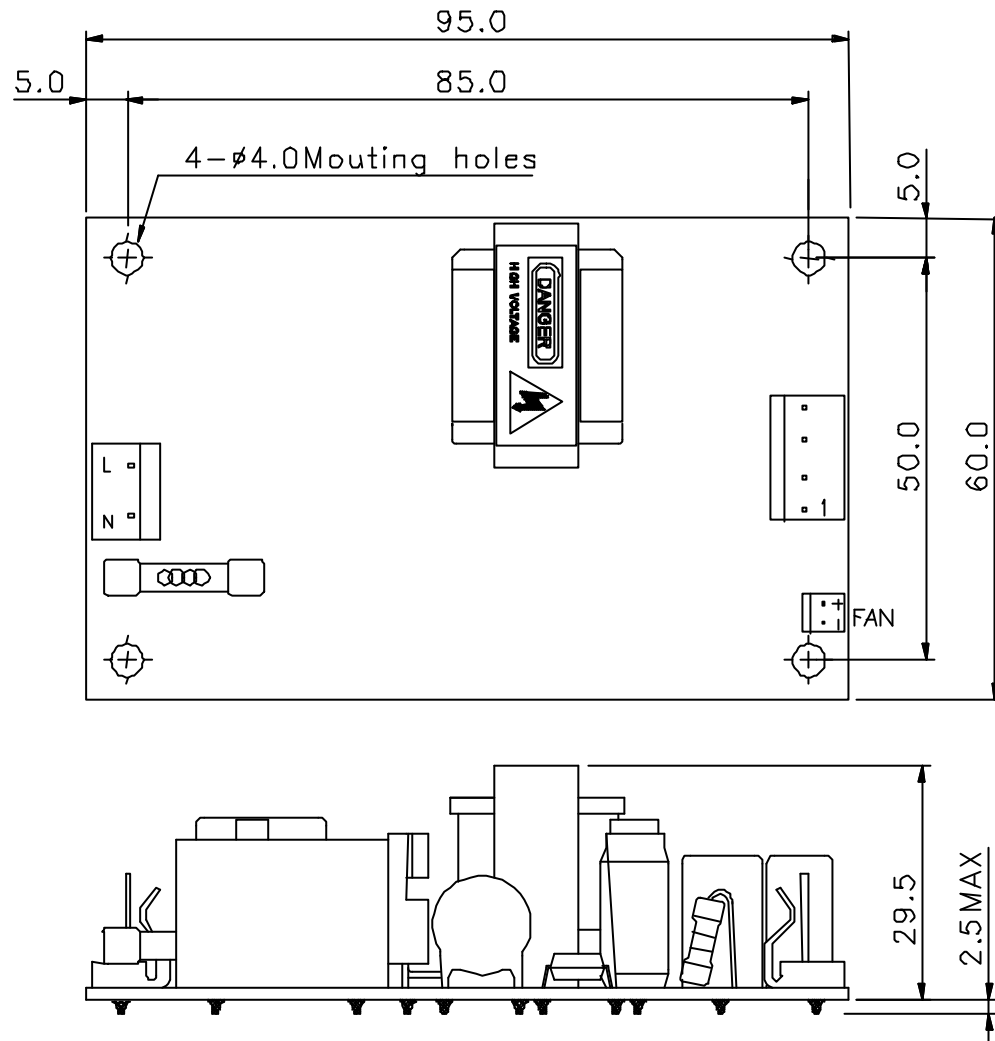
1. Vibration test: Three orthogonal axes, random vibration, 10 minutes for each axis.
 2. Maximum output power is 15W.
 3. At least 20% of load is required to obtain stable regulation.
 4. Ripple & noise test method is measured at output terminal across a 0.1uF ceramic cap & a 10uF tantalum or electrolytic cap in parallel with a 20MHz bandwidth oscilloscope directly.
- ★ Please refer the safety approval status on appendix 1, For latest safety approval status Please consult YCL or visit" www.ycl.com.tw

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Dimensions: mm $\pm$ 0.5mm



Pin	FUNCTION	Pin	FUNCTION
1	+3.3V	3	COM
2	COM	4	+5V

- DC output mating connector is Molex 09-65-2048 , Ever 8673-04 or equivalent.
- AC input mating connector is Molex 5096-02C ,Ever 8673-03N2 or equivalent.