61.9 W Open Frame Triple Output

NAD-68

Feature:

- 90 to 264Vac universal input range.
- Meet UL/CUL ,TUV.
- EMI/RFI meet VDE & FCC limit B.
- Low cost & compact size.
- 61.9Watts in137×86.2×37.5mm 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 Meet :** UL/CUL UL60950 TUV EN60950
Output Rating: See Rating Charts	
Output Voltage Accuracy: ± 5% max.	
Line Regulation: ± 1% max	**Switching frequency:** 60kHz
Load Regulation: (Full to half load) +3.3V/± 2% +5V,+12V/± 4%	**Weight:**
	MTBF: 100,000hours(MIL-HDBK-217F)
Transient Response: ± 1% max.dev. (Full to half load) 500uS recovery	**Environmental Specifications:**
	Operating temperature: 0 to +50°C
Temperature Coefficient: ± 0.04% / °C	**Storage temperature:** -20 to +85°C
Ripple & Noise:+ 3.3V:80mV P-P max +5V:80mV P-P max +12V:100mV P-P max	**Humidity:** 5 to 95 % RH non-condensing
Protections: a. Over voltage protection b. Over power protection c. Short circuit protection	**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 61.9W.
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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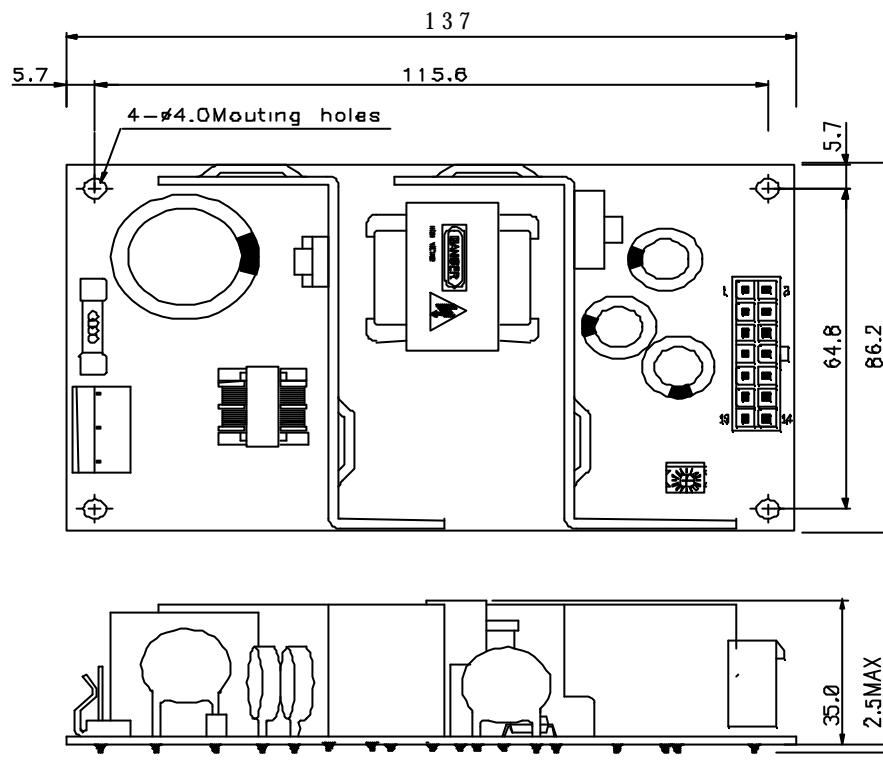| Model No.	Vo1		Vo2		V03	
	V/A	Min	V/A	Min	V/A	Min
NAD-68	+3.3V/9A	0.5A	+5V/5A	0.2A	+12V/0.6A	0

- At least 20% of load is required to obtain stable regulation.
- Peak Output less than 60 Sec. Peak current can't be drown from all output at same time.

Dimensions: mm ± 0.5mm

DC Output Pin Functions	
Pin 1,2,3	Vo1
Pin 4,5,6	Vo2
Pin 7,8,9,10,11,12	common
Pin 13,14	Vo3

- **DC output mating connector is ,Ever 5015PS-14 or equivalent**
- **AC input mating connector is Molex 5096-03C ,Ever 8673-05N2,4 or equivalent**