## 30W Open Frame Single Output NAD-300X series



#### Feature:

- 90 to 264Vac universal input range.
- Meet UL/CUL, TUV.
- EMI/RFI meet VDE & FCC limit B.
- Low Cost & compact size.
- 30Watts in130×70×31.5mm 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	<b>EMI/RFI:</b> VDE & FCC Class B limits			
40A at 230Vac	Dielectric Withstand:			
Earth leakage: 0.2mA max @ 115Vac	Input/output: 3000Vac			
0.4mA max @ 230Vac	Input/Ground: 1500Vac			
Output Specifications:	<b>*Safety Meet:</b> UL/CUL UL60950			
Output Rating: See Selection table	TUV EN60950			
Output Voltage Accuracy : $\pm 5\%$ max.				
<b>Line Regulation:</b> $\pm 1\%$ max.	Switching frequency: 20kHz(reference)			
<b>Load Regulation:</b> ± 1% max. (Full to half load)	Weight: 280g			
<b>Transient Response:</b> ± 1% max.dev.	<b>MTBF:</b> 100,000hours(MIL-HDBK-217F)			
(Full to half load) 500uS recovery	Environmental Specifications:			
Temperature Coefficient: $\pm 0.04\%$ / °C	<b>Operating temperature:</b> 0 to +50°C			
Ripple & Noise: 1% P-P max.	Storage temperature: -20 to +85°C			
Protections:	Humidity: 20 to 90 % RH non-condensing			
a. Over voltage protection	Vibration: 2.4G, 5 to 500Hz			
b. Over power protection c. Short circuit protection	Cooling: Free air convection			

Note:

- 1. Vibration test: Three orthogonal axes, random vibration, 10 minutes for each axis.
- 2. Maximum output power is 30W.
- 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" <u>www.ycl.com.tw</u>"





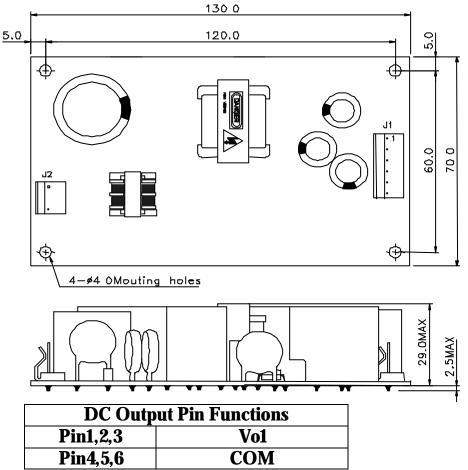
### Model Selection Table:

	Output	Output Current	Output Current	Max.
Model No.	Voltage	Minimum	Maximum	Power
NAD-3001	5V	0mA	6000mA	30W
NAD-3002	12V	0mA	2500mA	30W

Note:

1. Other output voltage versions available. Please Consult factory for details.

# **Dimensions:** $mm \pm 0.5mm$



- DC output mating connector is Molex 09-65-2068, Ever 8673-06 or equivalent.
- AC input mating connector is Molex 5096-02C, Ever 8673-03N2 or equivalent.

