

40Watts Open Frame Single Output NAD-400X series



Feature:

- 90 to 264Vac universal input range.
- UL/CUL, TUV, CE safety approval.
- EMI/RFI meet VDE & FCC limit B.
- Low cost & compact size.
- 40Watts in 127×76.2×34.1mm 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:
Output Rating: See Rating Charts	UL/CUL UL60950 TUV EN60950 CE EN55022 & EN50082-1
Output Voltage Accuracy: ± 5% max.	
Line Regulation: ± 1% max.	
Load Regulation: ± 1% max. (Full to half load)	Switching frequency: 30kHz
Transient Response: ± 1% max.dev. (Full to half load) 500uS recovery	Weight: 280g
Temperature Coefficient: ± 0.04% / °C	MTBF: 100,000hours(MIL-HDBK-217F)
Ripple & Noise: 1% P-P max.	Environmental Specifications:
Protections: a. Over voltage protection b. Over power protection c. Short circuit protection	Operating temperature: 0 to +50°C
	Storage temperature: -20 to +85°C
	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 40W.
 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"