

20Watts 3.3V & 5V output Power Supply

Model No.: NAD-20G

Feature:

- 90 to 264Vac universal input range.
- Approval UL, CSA, TUV.
- EMI/RFI meet VDE & FCC limit B.
- Low cost & compact size.
- Input with inlet socket.
- 20 Watts in 109.85×52×32.5 mm 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 UL1950 CSA 22.2-234/950 TUV EN60950
Output Rating: Vo1: + 5V /2.0A Vo2: +3.3V/3.0A	
Output Voltage Accuracy: ± 5% max.	
Line Regulation: ± 1% max	Switching frequency: 30kHz(Ref)
Load Regulation: ± 3% max. (Full to half load)	Weight: 180g(5.3Oz)
Transient Response: ± 1% max.dev. (Full to half load) 500uS recovery	MTBF: 100,000hours(MIL-HDBK-217F)
Temperature Coefficient: ± 0.04% /°C	Environmental Specifications:
Ripple & Noise: 50mVp-p max	Operating temperature: 0 to +50°C
Protections: a. Over voltage protection b. Over power protection c. Short circuit protection	Storage temperature: -20 to +85°C
	Humidity: 5 to 95 % RH non-condensing
	Vibration: 2.4G , 5 to 500Hz
	Cooling: Free air convection

Note:

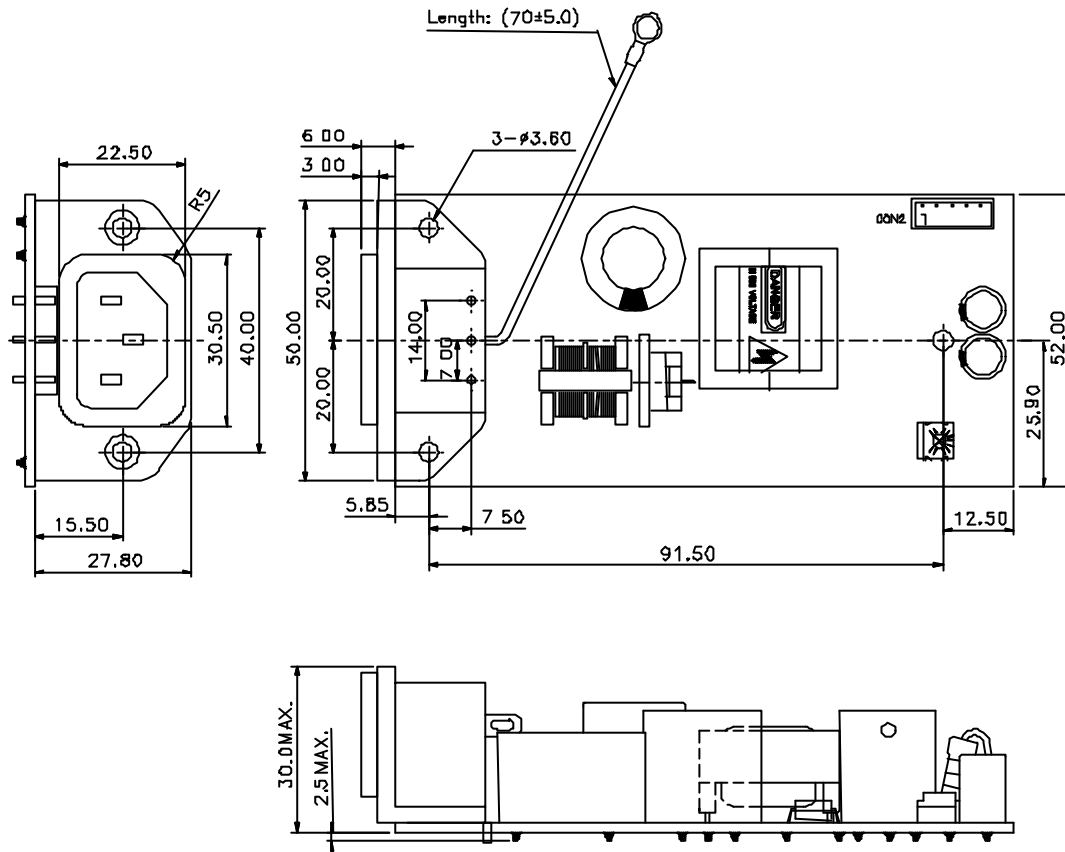
1. Vibration test: Three orthogonal axes, random vibration, 10 minutes for each axis.
 2. Maximum output power is 20W.
 3. At least 20% of load is required to obtain stable regulation.
 4. Ripple & noise test method is measured at output terminal across a 0.1uF ceramic cap & a 10uF tantalum or electrolytic 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± 0.5mm



PIN	Function	PIN	Function
1	+5V	4	COM
2	+3.3V	5	COM
3	+3.3V		

- AC input socket: Super com SC-9R , Inalways 0714 , Rongfeng SS-7B or equivalent.
- DC output mating connector is Molex 67280-0500, Ever 2532-05K or equivalent.