

• **HN-IA1000-E**



Power Amplifier

HN-IA1000-E High Efficiency Power Amplifier provides audio signal amplification for the public address and voice alarm system. It is reliable, efficient and light weight.

Features

- Class-D circuit
- 1000W power output
- 70/100V and 4 - 16Ω output
- Supports balanced / unbalanced / 100V audio inputs
- A / B / C Sensitivity

TECHNICAL SPECIFICATIONS

Description	HN-IA1000-E
Output Power	1000W
SMPS RMS Power Limit	1120W
Mains power supply	Universal Mains with PFC, 90-270 VAC @ 50Hz to 60Hz
Amplifier topology	Class D, 94% efficiency
Frequency response	20 Hz - 20 kHz (+0/-0.25 dB (8Ω load, 3 dB below rated power)
THD (1Khz @ 1W)	0.0030%
Signal input / Output	Balanced In / Out, Unbalanced In / Out, 100V signal input
Sensitivity	A / B / C
Signal To Noise-Ratio	119 dB(A)
Dynamic range	119 dB(A)
Damping factor @ 8Ohm	>350
Output Connector	Phoenix
Input Connectors	Phoenix & RJ-45
LED Indicator	Power, Signal, Protect, Clip
Protection	Protected against shorted, open or mismatched loads, overloaded power supplies, excessive temperature, chain destruction phenomena, input overload damage and high-frequency blowups.
Operating Temperature & Humidity	-10°C to 50°C @ 90% relative humidity (non condensing)
CE & RoHS Standards	CE & RoHS 3 Complaint
Safety Standards	Complaint to IEC/EN 60065:2001 (7 th E) + A1:2005 = A2:2010
	Complaint to IEC/EN/UL 62368-1: 2014 (2 nd E)
	Complaint to EN60065:2002 + A12006 + A11: 2008 + A2:2010 + A12:2011
	Complaint to EN62368:2014
	Complaint to CSA C22.2 NO.62368-1-14:2014
	Complaint to UL 62368:2014
Electro Magnetic Compliance (Emission)	Complaint to EN 55032:2012 with EN 55032:2012 AC 2013
	Complaint to EN61000-3-2:2014
	Complaint to EN61000-3-3:2013
Electro Magnetic Compliance (Immunity)	Complaint to EN 55103-2:2009
	Complaint to FCC part 15 subpart B
Net Weight	7.10 kg
Gross Weight	8.70 kg
Packing Dimension	535 mm x 425 mm x 195 mm (L x W x H)

For more information,

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Customer Care Information

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