

DDN1000.1

1x1000W @ 1 Ohm

Low Pass Class D Amplifier

November 19th 2012

Output Power (RMS) @ 1% 100Hz 14.4V CEA 2006

Mono @ 4 Ohms 1x343 Watts @ 28A Eff. %85

Mono @ 2 Ohms 1x623 Watts @ 50A Eff. %87

Mono @ 1 Ohm 1x1050 Watts @ 91A Eff. %80

Frequency Response -3dB

10 Hz - 150 Hz

Crossover Range Low Pass

50Hz - 150Hz 12dB/Octave

Crossover Range Subsonic Filter

10Hz - 50Hz 12dB/Octave

Bass Boost

0 - 12dB @ 45Hz

Remote Attenuation

+0.7 - -29dB

S/N Ratio (Awtg)

1Watt 4ohm 250Watts 4ohm

>68dB >91dB

Input Sensitivity

0.2V - 6.1V

Features:

Two layer PCB

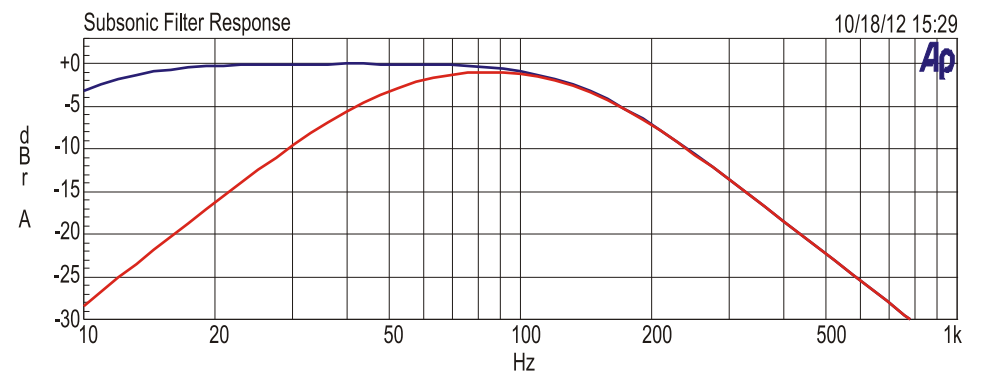
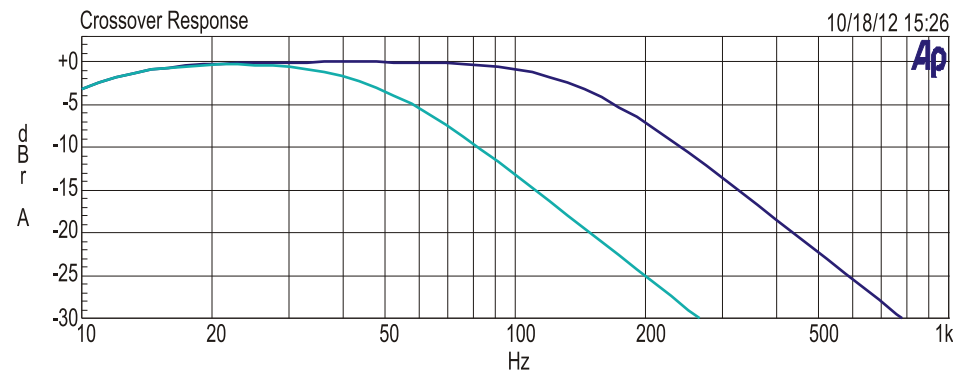
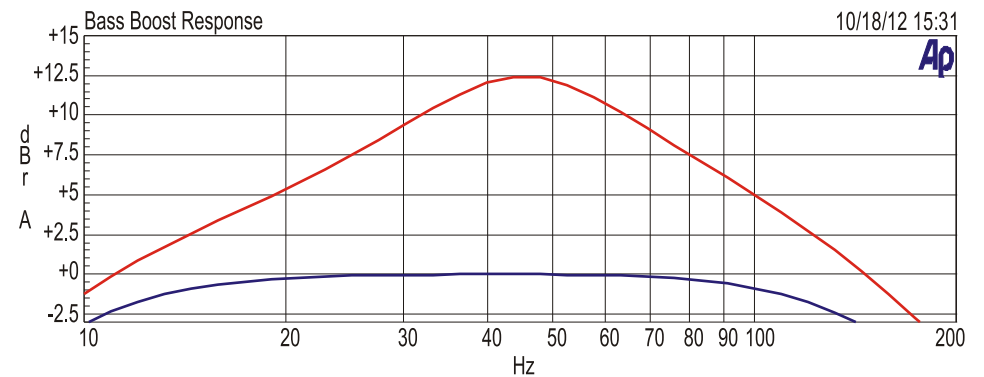
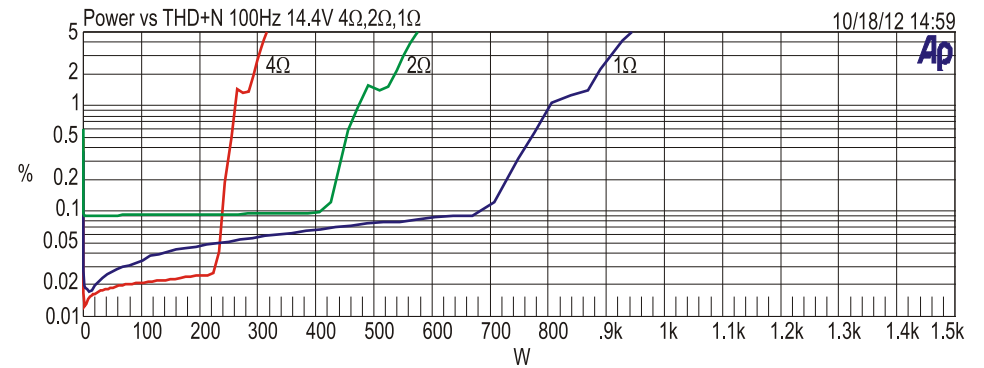
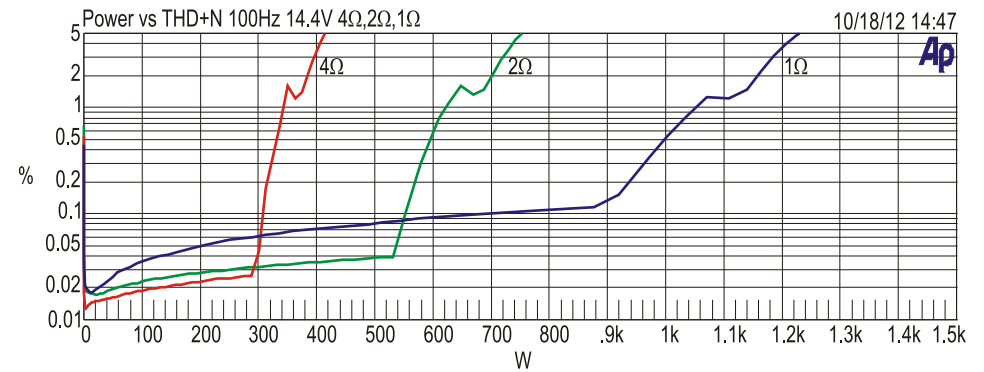
Lead Free

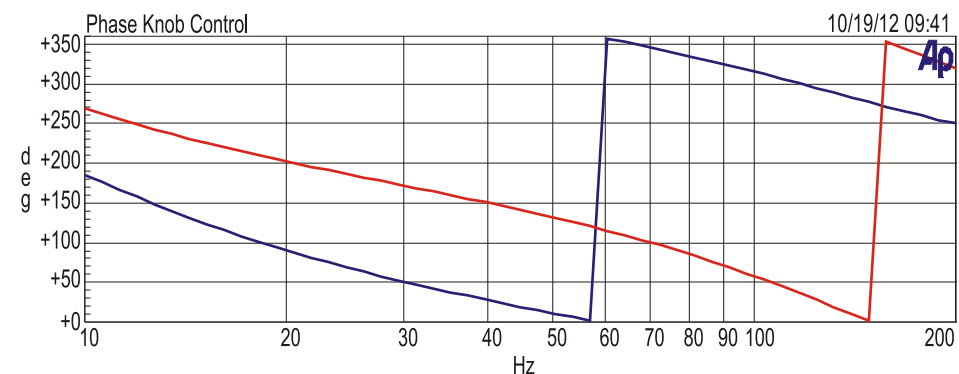
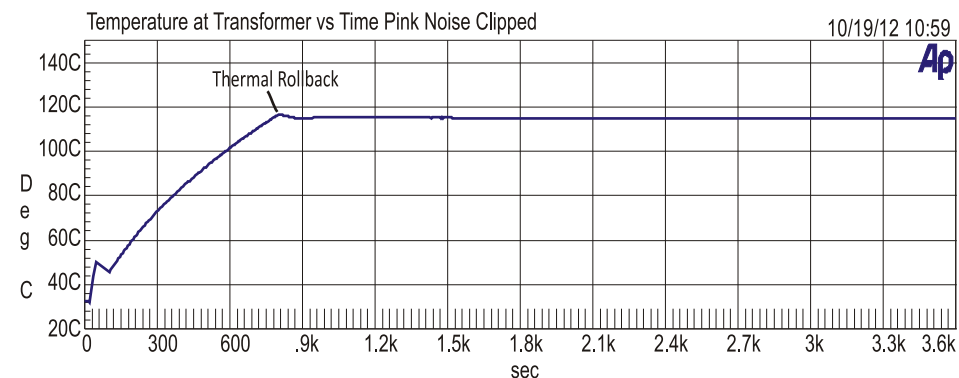
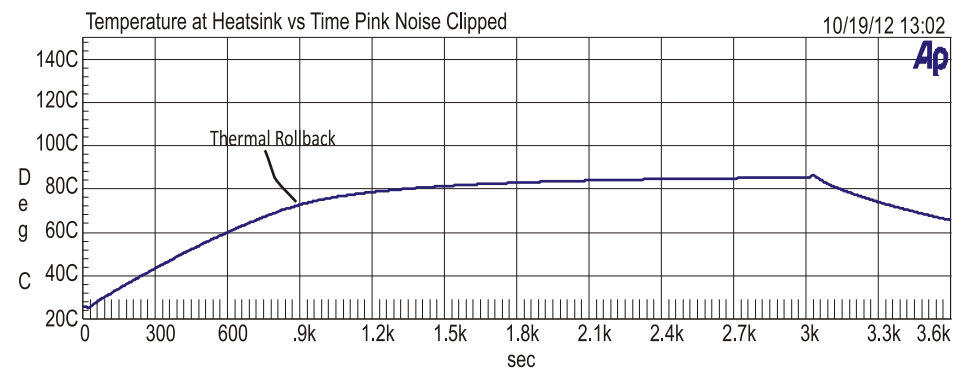
Microprocessor controlled

Intelligent lighting behavior for status

Class D with Thermal Rollback

Overvoltage Points 15.6V Overvolt Protection





VAMP(H) Rail	VAMP(L) Rail	Vop Rail	Vdrv
57V		17V	NA
Switching Frequency	Idle Current	Bias across	
29kHz 320kHz	1.6A	NA	
Transformer Turns Ratios			
4(2):4:4:4			

Model	Board Revision	Testing Sample Level & Serial Number
NNH1000.1	1.00mod	Prototype SN:P1
Document Revision	Testing Date	
1.0	Oct 18 th 2012	
Document Date	Signature	
Nov 19 th 2012	 Richard Greenway	