

DDN600.1

1X600W @ 1 Ohm

Low Pass Class D Amplifier

May 9th 2013

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

Mono @ 4 Ohms 1x 166 Watts @ 13A Eff. 89%

Mono @ 2 Ohms 1x 325 Watts @ 26A Eff. 87%

Mono @ 1 Ohm 1x 550 Watts @ 45A Eff. 85%

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)

>59dB

>92dB

Input Sensitivity

0.15V - 4.4V

Features:

Two layer PCB

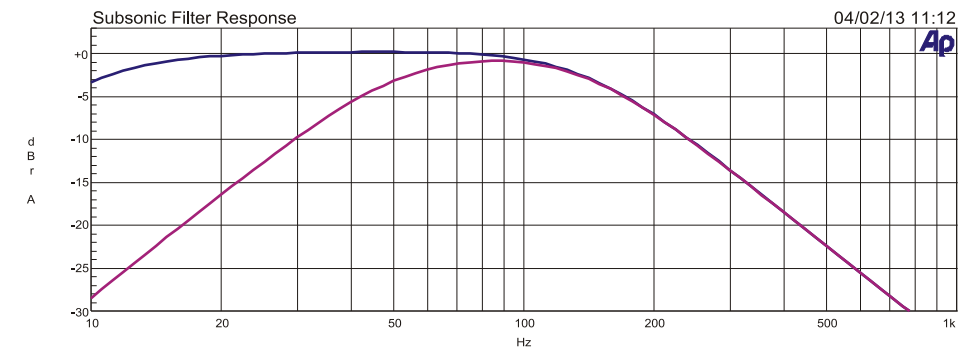
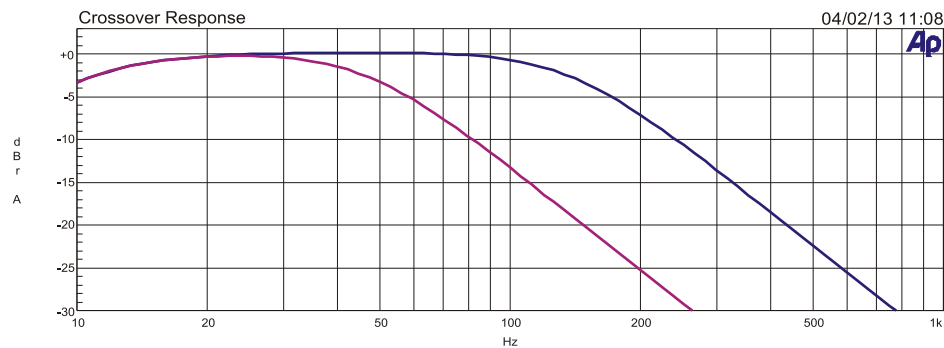
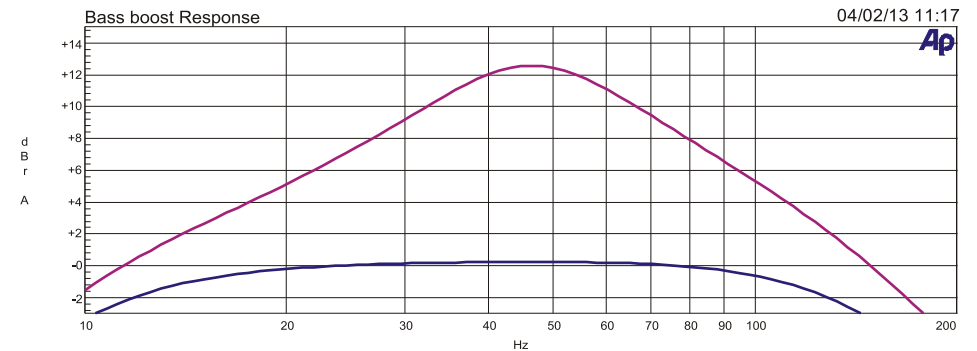
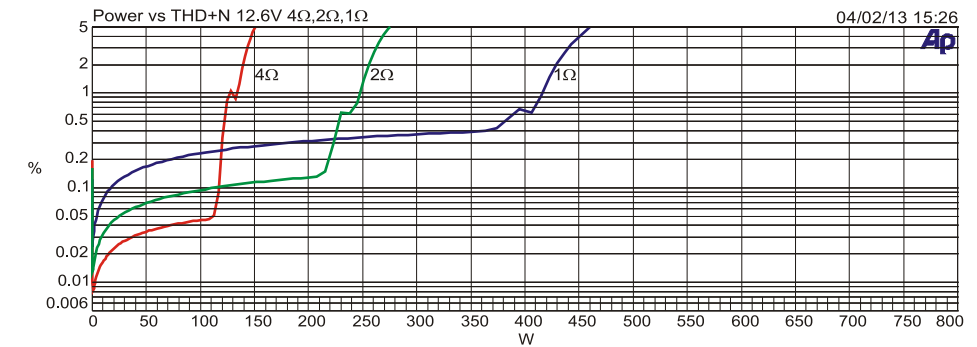
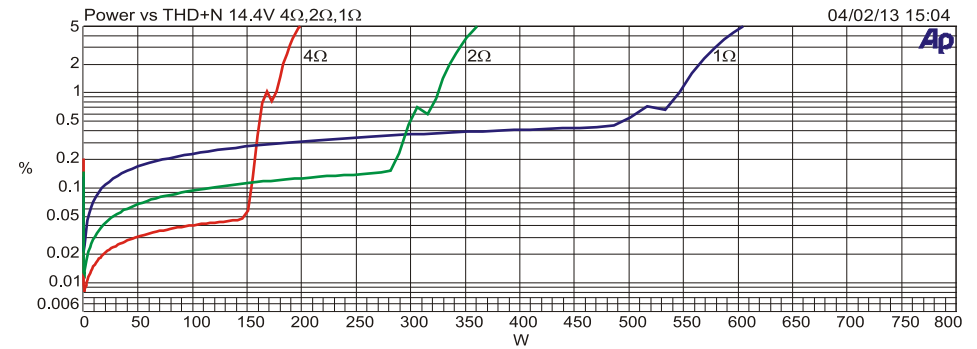
Lead Free

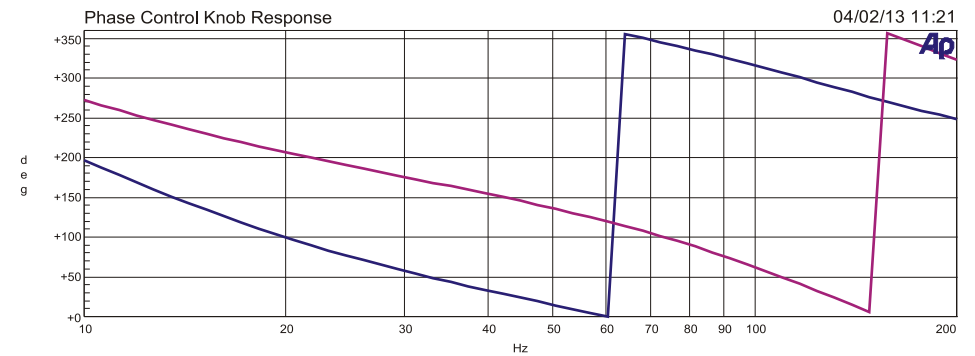
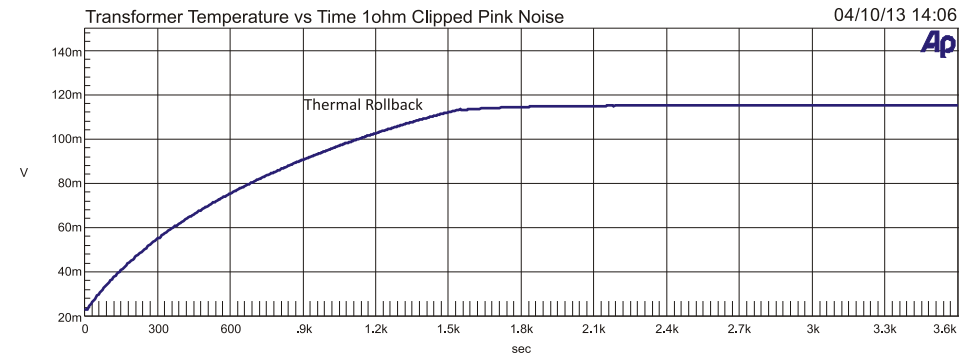
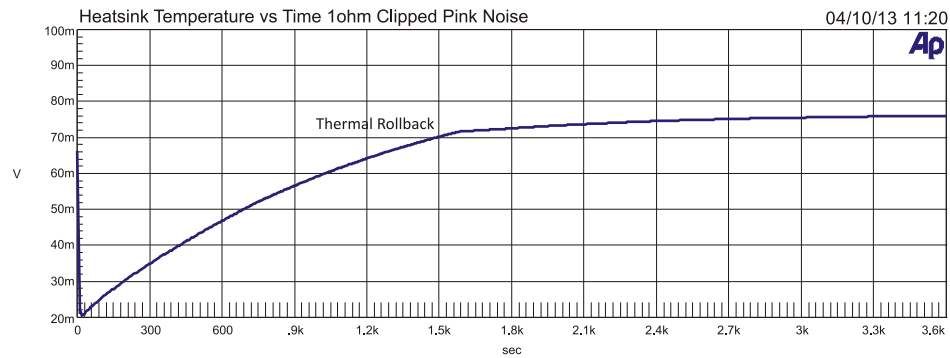
Microprocessor controlled

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
39V		17V	NA
Switching Frequency	Idle Current	Bias across	
30kHz	1.6A	NA	
310kHz			
Transformer Turns Ratios			
4(2):11			

Model	Board Revision	Testing Sample Level & Serial Number
600.1	1.00mod	Prototype SN:P1
Document Revision	Testing Date	
1.0	April 2 nd 2013	
Document Date	Signature	
May 9 th 2013		Richard Greenway