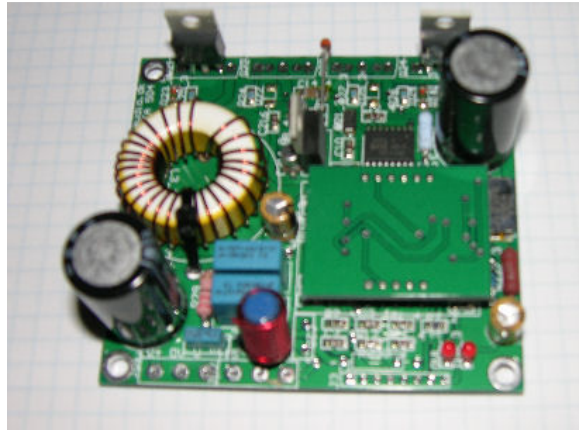


**DELTA 1004A PWM Amplifier**

DELTA 1004A is a class-d power amplifier.

DELTA 1004A is new amplifier in our DELTA range of amplifiers, a new topology combining the best of analog amplifier design with class-d/switching amplifiers.

DELTA 1004A offers a versatile and compact solution for many applications in the audio field.

DELTA 1004A is rated at 1000W into 4 ohms and has several means of protecting the amplifier and the load, overcurrent protection, thermal overload protection, soft-start etc. etc.

The DELTA range of amplifiers offer very high audio quality with very good specs, stability and square wave reproduction, EMI and noise is very good as well.

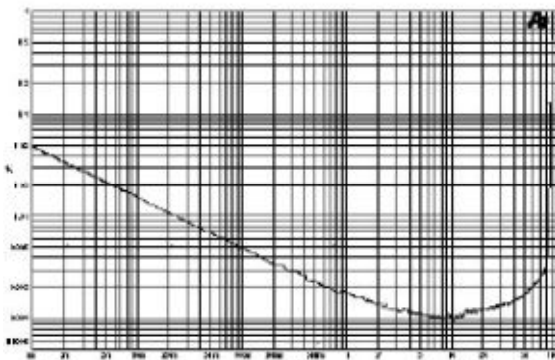
<b>Amplifier specification</b>	
Rated power 4 ohms	1000 W
Power supply	2 x 90VDC (+ 18V)
Freq. Range (+0, -1dB)	15 – 30.000 Hz
THD + N	0.02% typ.
Dynamic Range	110 dB typ.
Max. output current	35A
Min. load impedance	4 ohms
Damping Factor	400 typ.
Input voltage	1V - 10 k balanced/unbalanced
Operation	Half bridge amplifier
Overload protection, thermal protection	Yes , yes
Dimensions	91 x 75 x 30mm
Heatsink	External

**DELTA 1004A PWM Amplifier****Header specifications.**

Power Input	
1	+90V
2	GND
3	-90V
4	(+18VDC)

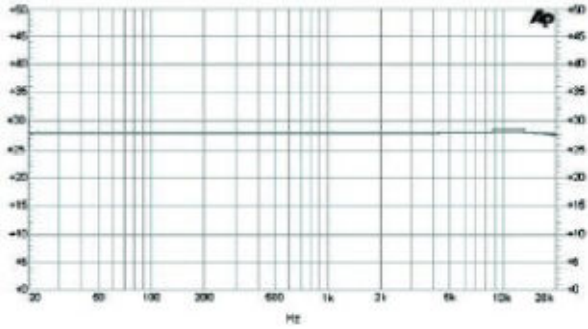
Speaker Outputs	
1	+ Out CH1
2	-Out CH1

Inputs	
1	+IN
2	-IN
3	GND
4	VOL SEND
5	GND
6	VOL RETURN
7	INV INPUT
8	INV OUTPUT

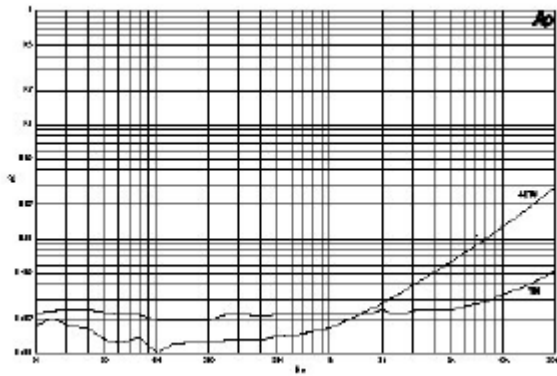
**Performance Graphs**

THD vs. Power Output , SE 4 ohms

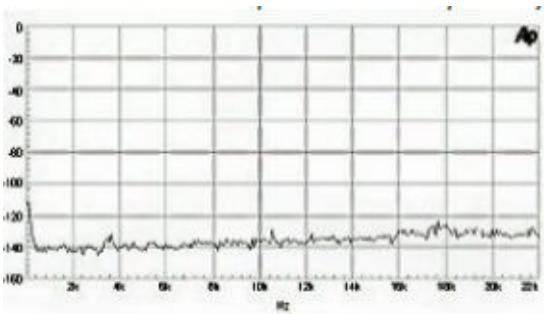
# DELTA 1004A PWM Amplifier



Freq Response 4 ohms



THD + N vs. Frequency – 4 ohms



Noise floor,