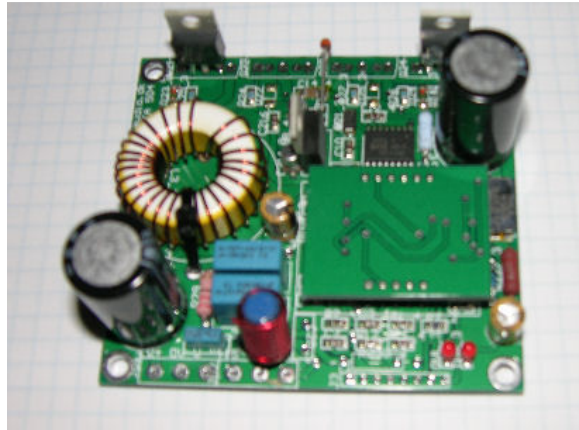


## DELTA 1004A PWM Amplifier



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.

Amplifier specification	
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

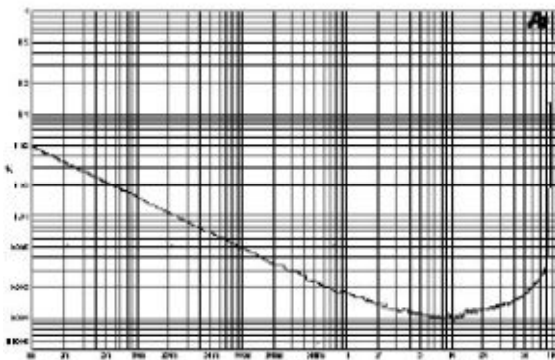
### Header specifications.

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

Speaker Outputs	
1	+ Out CH1
2	-Out CH1

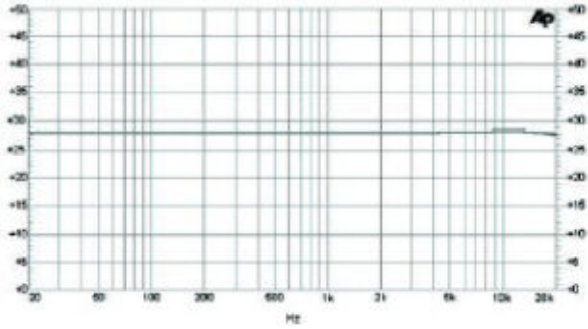
Inputs	
1	+IN
2	-IN
3	GND
4	VOL SEND
5	GND
6	VOL RETURN
7	INV INPUT
8	INV OUTPUT

### Performance Graphs

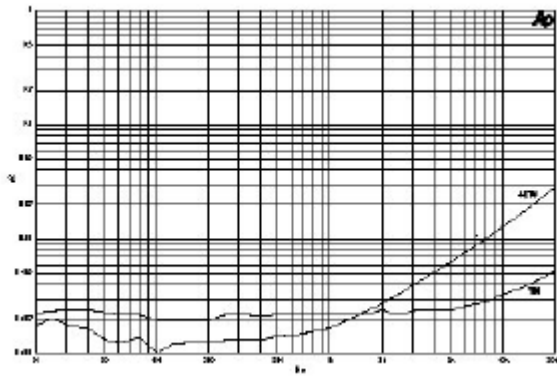


THD vs. Power Output , SE 4 ohms

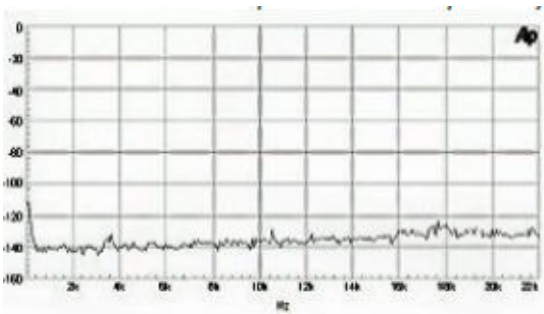
# DELTA 1004A PWM Amplifier



Freq Response 4 ohms



THD + N vs. Frequency – 4 ohms



Noise floor,