

**DELTA 1004ASW PWM Amplifier + SMPS**

DELTA 1004ASW is a class-d power amplifier with on-board switch-mode power supply.

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

DELTA 1004ASW 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	110 to 240V AC
Aux. Supplies outputs	+18V
Freq. Range (+0, -1dB)	15 – 30.000 Hz
THD + N	0.02% typ.
Dynamic Range	110 dB typ.
Max. output current	30A
Min. load impedance	4 ohms
Damping Factor	400 typ.
Input voltage	1V - 10 k balanced/unbalanced
Operation	Full bridge amplifier with smps
Overload protection, thermal protection	Yes , yes
Dimensions	180 x 100 x 40mm
Heatsink	External

## DELTA 1004ASW PWM Amplifier + SMPS

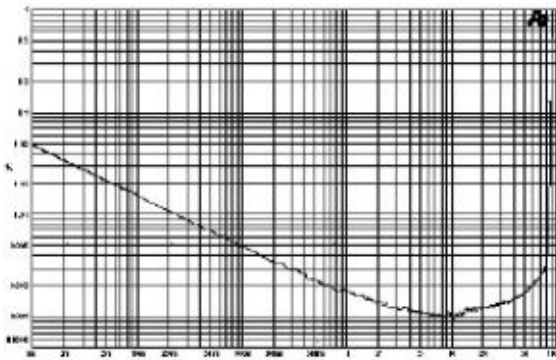
### Header specifications.

Power Input	
1	AC Live
2	AC Neutral

Speaker Outputs	
1	+ Out CH1
2	-Out CH1

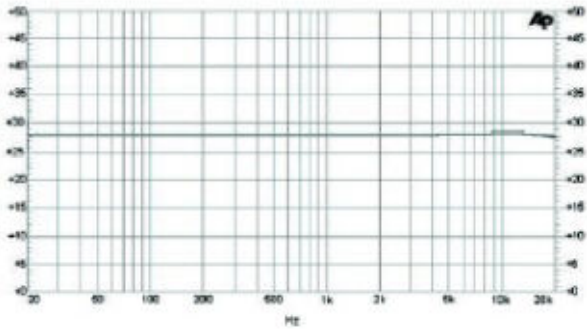
Inputs	
1	+IN CH1
2	GND
Indication	
4	Overload
5	Clip
6	+12V
7	GND

### Performance Graphs

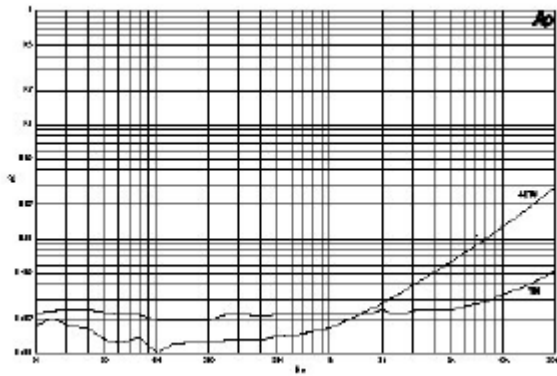


THD vs. Power Output , SE 8 ohms

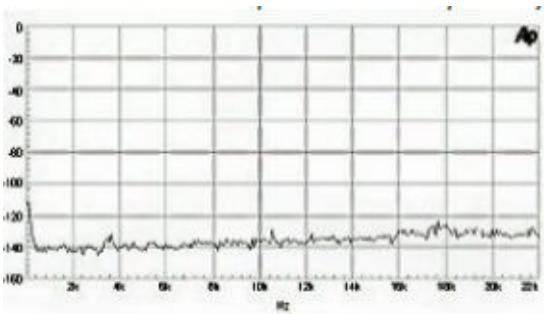
# DELTA 1004ASW PWM Amplifier + SMPS



Freq Response 4 ohms mono



THD + N vs. Frequency – 4 ohms



Noise floor,