

DELTA 504ASW PWM Amplifier + SMPS

DELTA 504ASW is a class-d power amplifier with on-board switch-mode power supply.

DELTA 504ASW 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 504ASW offers a versatile and compact solution for many applications in the audio field.

DELTA 504ASW is rated at 500W 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	500 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	Half bridge amplifier with smps
Overload protection, thermal protection	Yes , yes
Dimensions	165 x 100 x 35mm
Heatsink	External

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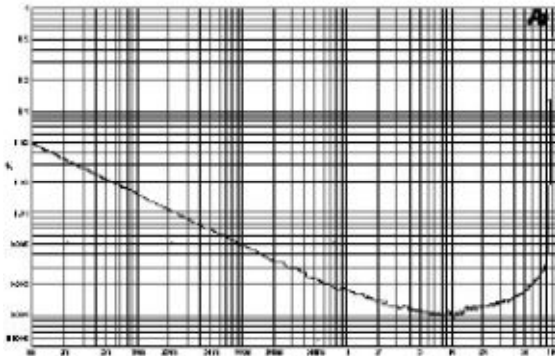
Header specifications.

Power Input	
1	AC Live
2	AC Neutral

Speaker Outputs	
1	+ Out CH1
2	-Out CH1

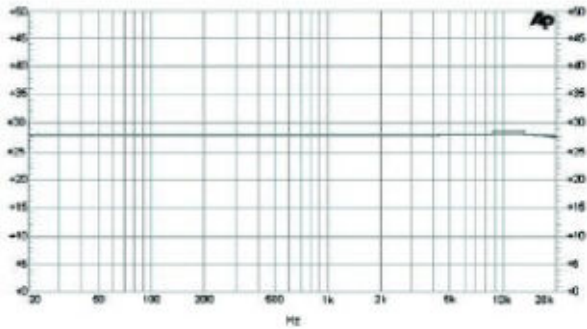
Inputs	
1	IN
2	GND
Indication	
1	Overload
2	Clip
3	+12V
4	GND

Performance Graphs

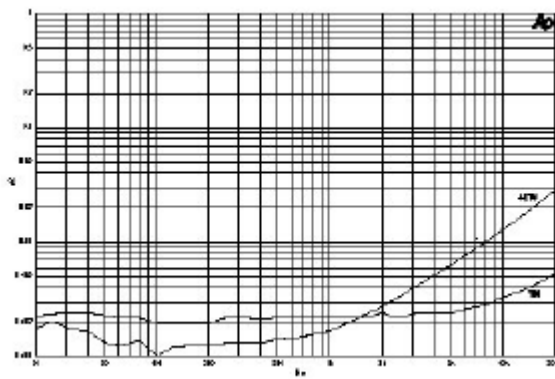


THD vs. Power Output , SE 4 ohms

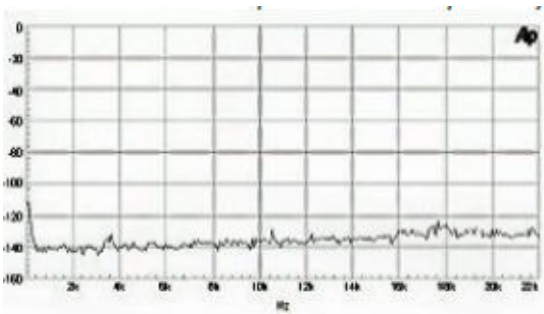
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Freq Response 4 ohms



THD + N vs. Frequency – 4 ohms



Noise floor,