

DELTA 254ASW PWM Amplifier + SMPS

DELTA 254ASW is a class-d power amplifier with on-board switch-mode power supply.

DELTA 254ASW 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 254ASW offers a versatile and compact solution for many applications in the audio field.

DELTA 254ASW is rated at 250W 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 | 250 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 | 20A |
| 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 |

DELTA 254ASW PWM Amplifier + SMPS

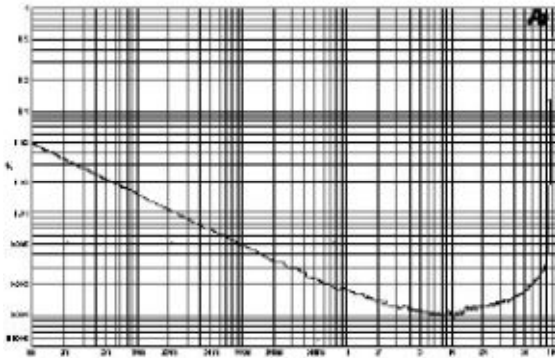
Header specifications.

| | |
|-------------|------------|
| Power Input | |
| 1 | AC Live |
| 2 | AC Neutral |

| | |
|-----------------|-----------|
| Speaker Outputs | |
| 1 | + Out CH1 |
| 2 | -Out CH1 |

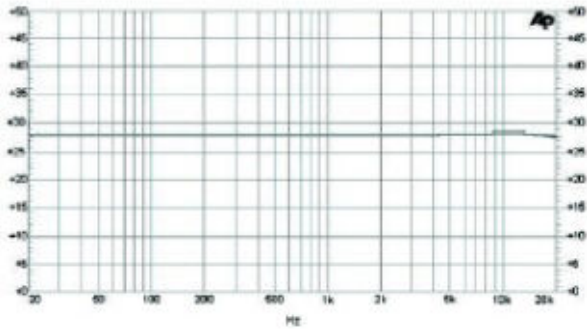
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|------------|----------|
| Inputs | |
| 1 | IN |
| 2 | GND |
| Indication | |
| 1 | Overload |
| 2 | Clip |
| 3 | +12V |
| 4 | GND |

Performance Graphs

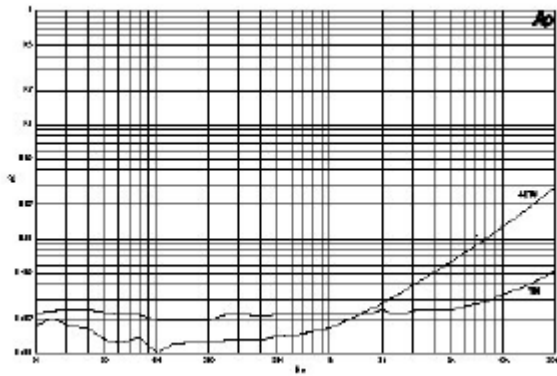


THD vs. Power Output , SE 4 ohms

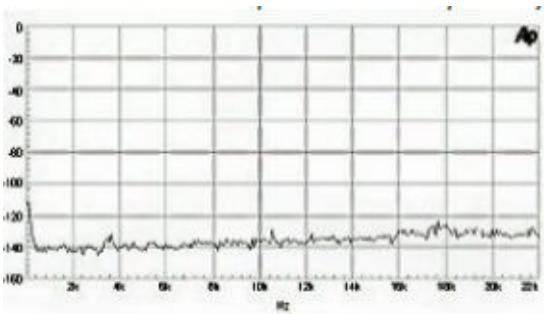
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Freq Response 4 ohms /8 ohms



THD + N vs. Frequency – 8 ohms



Noise floor,