

D300ASW2 PWM Amplifier + SMPS



D300ASW2 is a 2-channel class-d power amplifier with on-board switch-mode power supply. D300ASW2 is a versatile and compact solution for many applications in the audio field. D300ASW2 is rated at 2 x 300W into 4 ohms (1 x 600W into 2 ohms) and has several means of protecting the amplifier and the load, overcurrent protection, thermal overload protection, soft-start etc. etc.

| Amplifier specification | |
|--------------------------------|--------------------------------------|
| Rated power 4 ohms – 2 ch | 2 x 300W |
| Rated power 2 ohms – par. mono | 1 x 600W |
| Power supply | 110 to 240V AC |
| Aux. Supplies outputs | +15V, -15V . +5V all regulated DC |
| Freq. Range (+0, -1dB) | 22 – 20.000 Hz |
| THD + N | 0.03% typ. |
| Dynamic Range | 110 dB typ. |
| Max. output current | 19A |
| Min. load impedance | 4 ohms 2 ch / 2 ohms 1 ch |
| Damping Factor | 400 typ. |
| Input voltage | 1V - 40 k |
| Operation | 2 ch Full bridge amplifier with smps |
| Peak limiter | Yes |
| Dimensions | 250 x 65 x 45mm |
| Heatsink | Optional |

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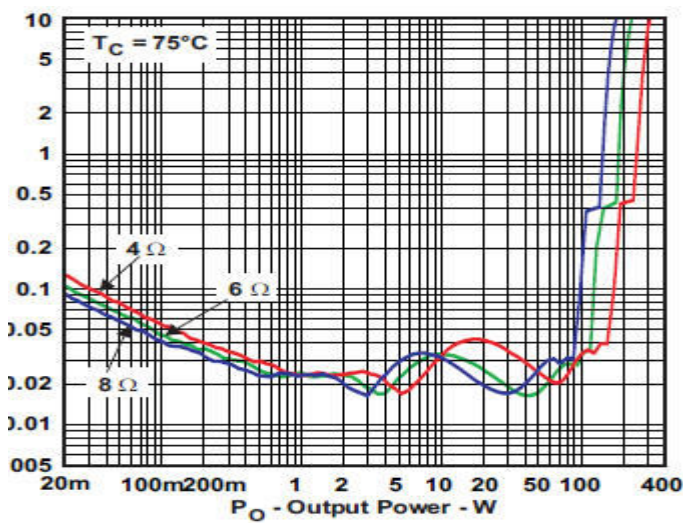
Header specifications.

| | |
|-------------|------------|
| Power Input | P12 |
| 1 | AC Live |
| 2 | AC Neutral |

| | |
|-----------------|-----------|
| Speaker Outputs | P7 |
| 1 | + out CH1 |
| 2 | -Out CH1 |
| 3 | + out CH2 |
| 4 | -Out CH2 |

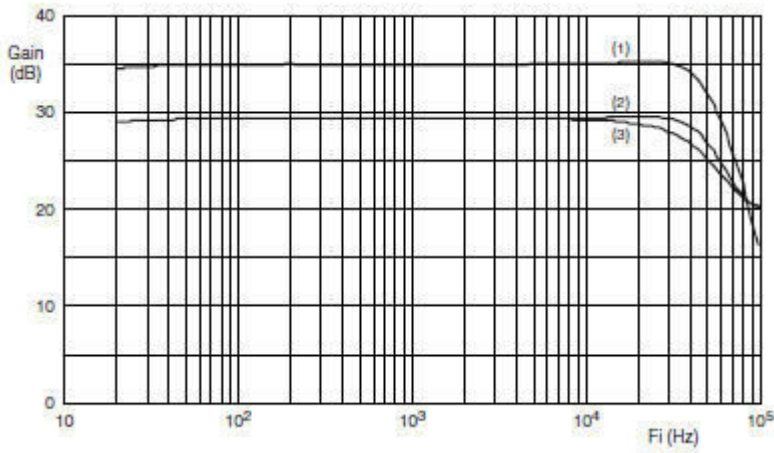
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|--------|-----------|
| Inputs | P8 |
| 1 | IN CH1 |
| 2 | GND |
| 3 | IN CH2 |
| 4 | GND |
| 5 | High Temp |
| 6 | +15V |
| 7 | GND |
| 8 | -15V |
| 9 | +5V |

Performance Graphs

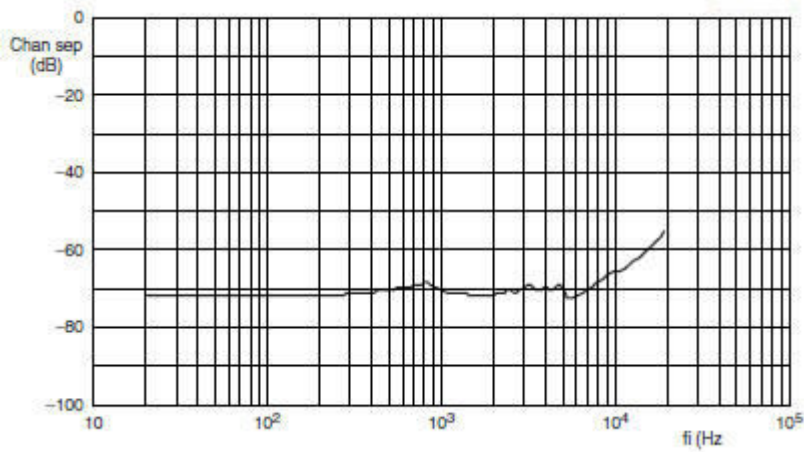


THD vs. Power Output – 4/6/8 ohms

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Freq Response (1) 8 ohms , (2) 4 ohms , (3) 3 ohms



Channel separation – 4 ohms