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 • Accessories | MARINE AUDIO AND ELECTRONICS — Marine receivers • Marine audio speakers • Marine subwoofers • Marine amplifiers • Accessories | CAR CARE PRODUCTS — Additives • Washer fluid •
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AS100.4

4-channel AB class amplifier available in Silver and White finishing

CEA-2006-A SPECIFICATIONS

POWER RATING: 100 Watt per channel @ 4 Ohm < 1% THD+N

SN RATIO: >90 dBA (reference: 1 Watt into 4 Ohm)

MOS SPECIFICATIONS (Tcase = 25 °C / 4 Ohm stereo / 0.2V input level @ 14.4 Volt if not otherwise specified)

TARGET POWERS:

- 100 Watt per channel @ 4 Ohm
- 155 Watt per channel @ 2 Ohm
- 310 Watt BTL mode @ 4 Ohm
- 480 Watt BTL mode @ 2 Ohm (*)

EFFECTIVE POWERS:

110 Watt (80 Watt @12V6) x 4	46.6 A (η = 65.5 %) @ 4 Ohm / ST mode / 1% THD / 1KHz
162 Watt (118 Watt @12V6) x 4	79.8 A (η = 56.4 %) @ 2 Ohm / ST mode / 1% THD / 1KHz
324 Watt (236 Watt @12V6) x 2	79.8 A (η = 56.4 %) @ 4 Ohm / BTL mode / 1% THD / 1KHz

THD @ 4 Ohm / ST mode: < 0.02 % (1KHz / 90% Power rating ref)

Absolute maximum operation supply voltage range: 10 V ÷ 16 V

Bandwidth (-3dB ÷ 1 Watt): < 5 Hz ÷ 200 KHz

Input sensitivity (Power rating ref): 0.2 V ÷ 5 V

Input impedance @ 1 KHz (STEREO input): 11 KOhm

S/N ratio (AP filter 10 Hz - 22 KHz) - Power rating ref: 110 dB ("A" weighted)

Xover functions: HIGH Pass & LOW Pass (BAND Pass allowed)
(20 ÷ 175Hz) & (50 ÷ 300Hz)

Filter slope - Filter "Q": 12 dB/oct - 0.7 (Stereo & Mono)

Thermal cutoff Threshold: 88 °C (±5°C)

ProSPEED® Fan Controller Threshold: 55 °C (±5°C)

Load drive limitations (*): 1 Ohm / 2 Ohm (Stereo / Bridged)

Suggested fuse: 80 A (Internal)

Size: 350x200x50 mm

Weight: 3,5 Kg

(*) VERY IMPORTANT NOTE - READ CAREFULLY

4 Ohm ST or 8 Ohm BTL – CONTINUOUS SINEWAVE SIGNAL – pure resistive load or speaker load

2 Ohm ST or 4 Ohm BTL – MUSICAL SIGNAL – pure resistive load or speaker load

1 Ohm ST or 2 Ohm BTL – MUSICAL SIGNAL – speaker load only

