

## AS100.4

amplificatore 4 canali disponibile nei colori Silver e White

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 ( $\eta$ = 65.5 %) @ 4 Ohm / ST mode / 1% THD / 1KHz
162 Watt (118 Watt @12V6) x 4	79.8 A ( $\eta$ = 56.4 %) @ 2 Ohm / ST mode / 1% THD / 1KHz
324 Watt (236 Watt @12V6) x 2	79.8 A ( $\eta$ = 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 ÷ 150 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 ( $\pm 5^{\circ}\text{C}$ )

**ProSPEED® Fan Controller Threshold:** 55 °C ( $\pm 5^{\circ}\text{C}$ )

**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