

AS300.2

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

CEA-2006-A SPECIFICATIONS

POWER RATING: 300 Watt per channel @ 4 Ohm < 1% THD+N

SN RATIO: >86 dBA (reference: 1 Watt into 4 Ohm)

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

TARGET POWERS: 300 Watt per channel @ 4 Ohm

550 Watt per channel @ 2 Ohm

1100 Watt BTL mode @ 4 Ohm

1800 Watt BTL mode @ 2 Ohm (*)

EFFECTIVE POWERS: 330 Watt (260 Watt @12V6) x 2

562 Watt (432 Watt @12V6) x 2

1204 Watt (864 Watt @12V6) x 1

67.8 A (η = 68.0 %) @ 4 Ohm / ST mode / 1% THD / 1KHz

123.4 A (η = 63.3 %) @ 2 Ohm / ST mode / 1% THD / 1KHz

123.4 A (η = 63.3 %) @ 4 Ohm / BTL mode / 1% THD / 1KHz

THD @ 4 Ohm / ST mode:

< 0.035 % (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 (±5°C)

ProSPEED® Fan Controller Threshold:

55 °C (±5°C)

Load drive limitations (*):

1 Ohm / 2 Ohm (Stereo / Bridged)

Suggested fuse:

150 A (Internal)

Size:

590x200x50 mm

Weight:

5,8 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