



VA210

HI-END AMPLIFIER

- 2x 100Wrms nominal power - 800Wrms bridged nominal power.
- Speakers fully separate from amplification circuit (total feedback = 0).
- Input stage with class A jfet.
- Polycarbonat capacitors onto signal path.
- RCA cinch with teflon insulator.
- Power output stage with case TO247 powerMOS for best heat dissipation.
- Power output stage in AAB class, without switch in power devices (non-switching devices).
- Heavy and massive speaker connectors to allow great cable size.
- 1,400W DC @12V high frequency switching power supply with "virtual battery" ultra fast recovery system.
- Massive silver power battery connectors with very low contact resistance.
- Tri-mode operation (mono+stereo).
- No any current limiter, in order to do not clamp requested peak output current.
- Massive aluminum heatsink tunnel devices, with integrated and auto-regulated fans for full power running also at high ambient temperatures.
- Hand brushed and anodized aluminum finish.

TECHNICAL PAPER - VA210

CONTINUOUS OUTPUT NOMINAL POWER *:

[both ch. driven from 20 hz to 20 KHz; THD < 0.1%]
 2x 100Watt/4ohm @10.5 Vbatt.
 2x 200Watt/2ohm @10.5 Vbatt.
 2x 400W/1ohm @11.5 Vbatt.
 1x 400W/4ohm (bridged) @ 10.5 Vbatt.
 1x 800W/2ohm (bridged) @ 11.5 Vbatt.

OUTPUT CURRENT [THD<1%; 20 hz to 20 KHz]:

22 Arms continuous
 45 Arms (500ms peak)

FREQUENCY RESPONSE [-3Db]: at 8 hz and more than 400 KHz (at nominal power into 4 ohm)

THD: less than 0.1 % until 1° clipping [20 hz to 20 KHz]

INPUT IMPEDANCE: 10 Kohm

INPUT SENSITIVITY: max 300 mVrms; min 4 Vrms

STEREO SEPARATION: 80 Db at 1 KHz

SIGNAL TO NOISE RATIO: >120 Db "A" weighted

CURRENT CONSUMPTION [at 12 Vbatt]:

- idle= 2A
- 32 A max at nominal power into 4 ohm (stereo)
- 63 A max at nominal power into 2 ohm (stereo)
- 63 A max at nominal power into 4 ohm (bridged)
- 135 A max at nominal power into 1 ohm (stereo)
- 135 A max at nominal power into 2 ohm (bridged)

PROTECTION TRIGGER AT:

- short on speakers outputs
- battery voltage < 9 V
- battery voltage > 15 V
- thermal with proportional start of fans at 40° C, shutdown at 70° C
- fully muted at turn on and off

DIMENSIONS AND WEIGHTS:

480 x 295 x 66 mm
 11.5 Kg

* These power levels have been measured by very tight and severe Joule's law physical effects, it is not possible to compare these values with declared values of other brand.