



## VA250

### HI-END AMPLIFIER

- 2x 50Wrms nominal power - 200Wrms 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.
- 500W 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 - VA250

##### CONTINUOUS OUTPUT NOMINAL POWER \*:

[both ch. driven from 20 hz to 20 Khz; THD < 0.1%]  
 2x 50Watt/4ohm @10.5 Vbatt.  
 2x 100Watt/2ohm @11.5 Vbatt.  
 1x 200W/4ohm (bridged) @11.5 Vbatt.

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

12 Arms continous  
 20 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= 1.2A
- 17 A max at nominal power into 4 ohm (stereo)
- 34 A max at nominal power into 2 ohm (stereo)
- 34 A max at nominal power into 4 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:

237 x 295 x 66 mm  
 4.5 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.