Celestra®

VA2150

HI-END AMPLIFIER

- 2x 150Wrms nominal power – 600Wrms 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 recovey 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 - VA2150

CONTINUOUS OUTPUT NOMINAL POWER *:
[both ch. driven from 20 hz to 20 Khz; THD < 0.1%]]
2x 150Watt/4ohm @10.5 Vbatt.
2x 300Watt/2ohm @12 Vbatt.

1x 600W/4ohm (bridged) @ 12 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 800 mVrms; min 6 Vrms

STEREO SEPARATION: 80 Db at 1 Khz

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

CURRENT CONSUMPTION [at 12 Vbatt]:
- idle= 2.5A
- 50 A max at nominal power into 4 ohm (stereo)
- 100 A max at nominal power into 2 ohm (stereo)
- 100 A max at nominal power into 4 ohm (bridged)
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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.*