



RA220x

dual mono amplifier

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- 2x 200W rms nominal power.
- Built as "DUAL MONO" (fully separate 2 main boards).
- "Audiophile grade" audio quality - Zero Feedback Ratio Design.
- 2x 300W rms onto 2 oms.
- Internal cross-over low-pass and high-pass fully independent in tuning (50-3.5K)Hz and by-pass.
- Perfect for cut as sub & low-mid; low-mid & high-mid; high-mid & tweeter.
- Two independent 600W DC (@12V) high frequency switching power supplies.
- No one aluminum capacitor in the signal path.
- Three couples 200W complementary power Mosfet (each) on audio output stage.
- Intelligent electronic protection design capable to put out high impulsive currents.
- Very compact outline, with two integrated high flux fans.
- Fine chromed and polished finish.

TECHNICAL PAPER - RA220x

CONTINUOUS OUTPUT NOMINAL POWER *:

[both ch. driven from 20 hz to 20 Khz; THD < 0.1%]
 2x 200Watt/4ohm @11.5Vbatt.
 2x 300Watt/2ohm @12 Vbatt.

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

12 Arms continuous
 20 Arms (100mS peak)

- 12 db/oct low-pass and 12 db/oct high-pass
 Built-in cross-over, separately turn-on onto each ch. pair
- separately adjustable from 50Hz to 3.5Khz
- straight by-pass allowing full-range mode

FREQUENCY RESPONSE [-3Db]: at 6 hz and more than 120 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 1 Vrms; min 5 Vrms

STEREO SEPARATION: 80 Db at 1 Khz

SIGNAL TO NOISE RATIO: >115 Db "A" weighted

CURRENT CONSUMPTION [at 12 Vbatt]:

- idle = (0.9+0.9) A
- 34+34 A max at nominal power into 4 ohm (2ch.)
- 50+50 A max at nominal power into 2 ohm (2ch.)
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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:

325 x 188 x 42 mm
 3.3 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.