



## FA475x

4ch. AMPLIFIER

- 4x 75W rms nominal output power;
- tri-mode operation (mono + stereo without any switch or adapter);
- bypassable low-pass and high-pass internal cross-over fully independent in tuning (50-5K)Hz;
- Double 550W DC (@12V) unregulated switching power supplies;
- 2 pairs TO3P complementary 20 MHz SANKEN transistors (each ch) on audio output stage;
- intelligent electronic protect design capable to put out high impulsive currents;
- massive battery and speakers connectors;
- heavy duty heatsink design, high cooling thermal capability at full power running;
- fine light gray polished finish.

### Technical Paper - FA475x

#### CONTINUOUS OUTPUT NOMINAL POWER\*:

[both ch. driven from 20 hz to 20 KHz; THD < 0.1%]

4x 75Watt/4ohm @12Vbatt. - 4x 90Watt/4ohm @14Vbatt  
 4x 150Watt/2ohm @14 Vbatt. - 4x 175Watt/1 ohm  
 2x 350Watt/2ohm (bridged) @ 14Vbatt.

#### FREQUENCY RESPONSE [-3Db]: at 6 hz and 75 KHz

18 db/oct low-pass and 12 db/oct high-pass

BESSEL filters built-in, separately turn-on onto each ch. pair

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

INPUT IMPEDANCE: 10 Kohm

INPUT SENSITIVITY: max 500 mVrms; min 8 Vrms

STEREO SEPARATION: 65 Db at 1 KHz

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

#### CURRENT CONSUMPTION [at 14 Vbatt]:

- idle = 1.6 A
- 42 A max at nominal power into 4 ohm (stereo)
- 72 A max at nominal power into 2 ohm (stereo) - 4 ohm bridge
- 92 A max at nominal power into 1 ohm (stereo) - 2 ohm bridge

#### PROTECTION TRIGGER AT:

- short on speakers outputs
- battery voltage < 9 V
- battery voltage > 15 V
- shutdown at 75° C
- fully muted at turn on and off

#### DIMENSIONS AND WEIGHTS:

380 x 232 x 61 mm - 7.1 Kg