

superLinear demo-system



dual-mono power-Amplifier

True Dual-Mono Implementation
High Sonic Transparency and Very Low Distortion (THD e IMD)
Distortion Correction Techniques: Feed-Back and Feed-Forward

Technical specifications (per channel)

- Configuration: Dual-Mono with RCA and XLR input
- Fully independent supply systems for the two channels
- 600 VA toroidal transformers (one for each channel)
- Power devices: 4 pairs of N & P channel power mosfets
 - Input level / impedance: 1Vrms / 10 kohm
- Frequency response (± 0.2 dB): 20 Hz – 50 kHz (filters included)
 - Power into 8 Ohm (20 Hz -20 kHz): > 120 Watt (rms)
 - Power into 4 Ohm (20 Hz -20 kHz): > 200 Watt (rms)
- Instantaneous (short term) output current capability: > 50 Amp
 - Slew rate: ± 50 V/ μ s
- Output Noise : < 150 μ V un-weighted (10Hz-22kHz)
- Crosstalk between channels (un-weighted): < 120 dB (1kHz)
- Harmonic Distortion (THD): < 0.0005 % from 20 Hz to 20kHz,
[at all output power levels, BW= 22Hz-80 kHz]
- Intermodulation Distortion (IMD): < 0.0001 % from 20 Hz to 20 kHz,
[at all output power levels]
 - Output resistance: < 0.013 Ohm
 - Damping factor : > 600 (on 8 ohm)
 - Technology: PTH/ SMD with 4 layer board
- Weight: 30 kg. Dimensions (L,H,P): 45 x 19 x 41 cm