

# No.6



## *Technical Data:*

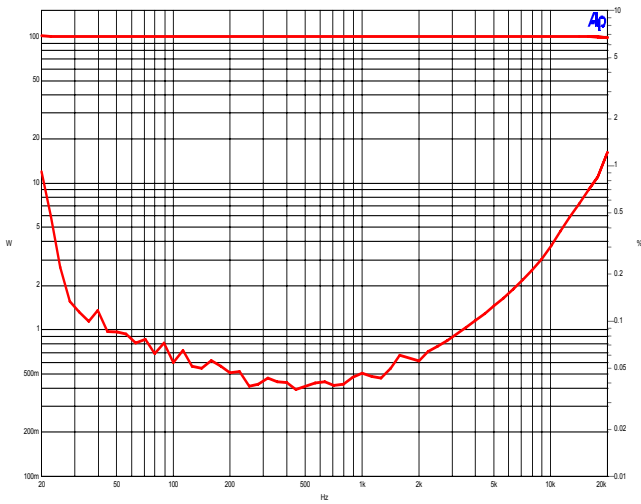
<i>Distortion THD+N:</i>	Max. Output 130 W/Sin. each mono amp at 8Ω /1KHz
<i>Frequency response (10 W/Sin.):</i>	,100W/ Sine/ 8Ω/ ≤ 0.1 %
<i>Frequency response (100 W/Sin.):</i>	8 Hz - 150 kHz -0, +1,2 dB
<i>Input- Impedance:</i>	10 Hz - 20 kHz ± 0 dB
<i>Input- Sensitivity:</i>	100 k Ω
<i>Signal/ Noise- ratio:</i>	1.350 V/ 100W/ 1KHz
<i>Speaker- impedance:</i>	≥ 102 dB
<i>Power consumption stdby.:</i>	4 / 8 / Ω
<i>Power consumption total:</i>	≤ 0.1 W
<i>Dimensions W x H x D:</i>	≤ 280W
<i>Cross weight/ net weight:</i>	44,5 x 22,5 x 42 cm

\* With 3 times selected LUA 6550 / LUA 12 AT 7 EH

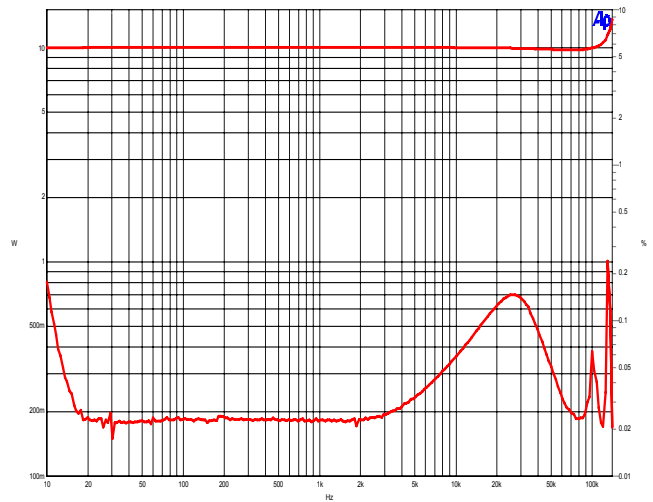
Selected and measured amplifiers with guaranteed data. 2 years warranty, one year for the tubes, for first user, according to our warranty conditions.

All data typical. All alterations are reserved without any notice and information of customer in view of improvement of specified data in this brochure.

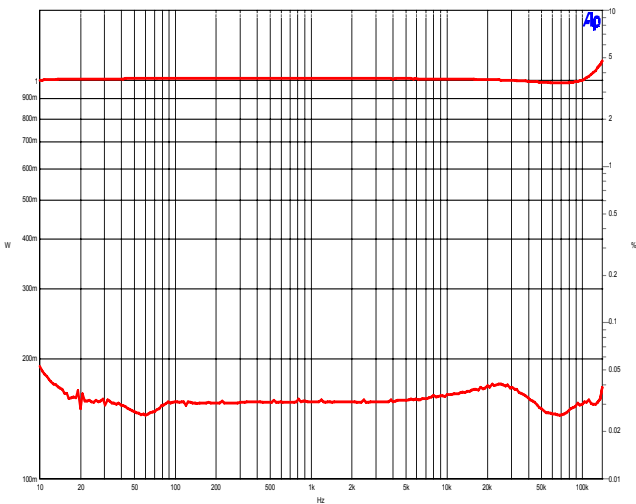
LUA Reference No.6 All measurements are made with Lua tubes 6550, as excellent SOVTEK 12 AT 7 EH, or Golden Dragon.



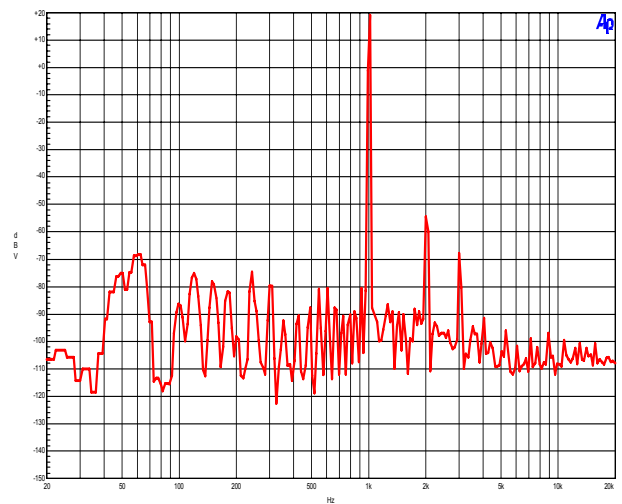
Frequency response: 100 W/ Sin./ 20 Hz- 20 kHz/  $\pm 0$  dB  
 Distortion THD+ N 1kHz/typ.:  $\leq 0,07\%$  (0,046%)  
 Distortion THD+N 20 Hz- 20 kHz/typ.  $\leq 1.5\%$  (1,22 %)



Frequency response: 10 W/ Sin./ 8 Hz- 150 kHz/ - 0+1,2 dB  
 Distortion THD+ N 1kHz/typ.:  $\leq 0,05\%$  (0,021%)  
 Distortion THD+N 8 Hz- 150 kHz/typ.  $\leq 0.25\%$  (0,17 %)



Frequency response: 1 W/ Sin./ 8 Hz- 150 kHz/ -0,1/+0,47 dB  
 Distortion THD+ N 1kHz/typ.:  $\leq 0,05\%$  (0,030%)  
 Distortion THD+N 8 Hz- 150 kHz/typ.  $\leq 0.07\%$  (0,040 %)



FFT-12,5 W/ Sin./ 8 Ohm  
 Hum- noise damping typ. 50 Hz / -77dB, 100Hz / - 87 dB  
 Perfect reduced distortion componets,  $K_2, K_3$

The No.6 mono power amplifier is our flagships. With its outstanding data, it will be a reference in its class. What makes the No.6 so special is a circuitry configured to use all experience LUA has for a ultimative frequency response. Benefiting from an uncommonly direct and short signal path and a simple circuit executed with finest quality parts, the No.6 dramatic performance belies its modest price. Harmonic structure, sound stage, dynamic contrasts and dramatic impact are all reproduced with remarkable fidelity to the live event. Never imposing distractions, the No.6's invite the listener to enjoy the musical performance. Consistent with Lua's design philosophy that circuits should be kept as simple as possible, the No.6 works its magic with just 8 vacuum tubes. A composite triode input stage is directly coupled to a cathode-coupled phase inverter, followed by a quad of 6550, operating in an ultra linear configuration, as drivers. Limited negative feedback is applied to the circuit to reduce distortion and provide a sufficiently high

and especially linear damping factor within the audible frequency range to control most real-world speaker systems. For our No.6 Lua initially selects a quad of matched 6550. Then the best quads will be burned in for a couple of days and then re-selected to give the quads with the lowest distortion. It is therefore hardly surprising that the measured data for these amplifiers are outstanding. The latest benefits from recent advances achieved in our flagship range of products. **100 W/sine/8 ohms** with less than  $\leq 0.07\%$  at 1kHz is a outstanding result for such a big tube. But what is more interesting is the fact, that this big amplifier is able to reproduce the smallest signals below 1 W output absolutely perfectly and dynamics as great as from 1 to 100 watts within the shortest time. At 1Watt output, a bandwidth from 5Hz- 150kHz and a distortion of less than 0.05 % is realised. The use of only a single coupling capacitor of absolute best standard in power stage endows the No.6 with a perfectly natural sound without any coloration.