



AmorphCore series type SA - 17

single ended output transformer

5100 Ω to 4 and 8 Ω

optimized for //2 1 1 type power triodes in 30 Watt mode
(1000V 120mA condition)

- **Amorphous Metglas™ dual C-core**
- virginal PTFE interlayer dielectric
- vari-lay inter-winding technique
- 6 - 104,000 Hz bandwidth
- 0,29 dB insertion loss

The AmorphCore series " type SA-17 " is a single ended output transformer designed around a parallel 211 triode output stage. It makes use of an oversized amorphous double C-core sourced from a leading manufacturer thereby ensuring high quality standards. This particular product is typically used at 1000 Volts plate voltage offering:

" 30 Watts rms in Class A1 mode "

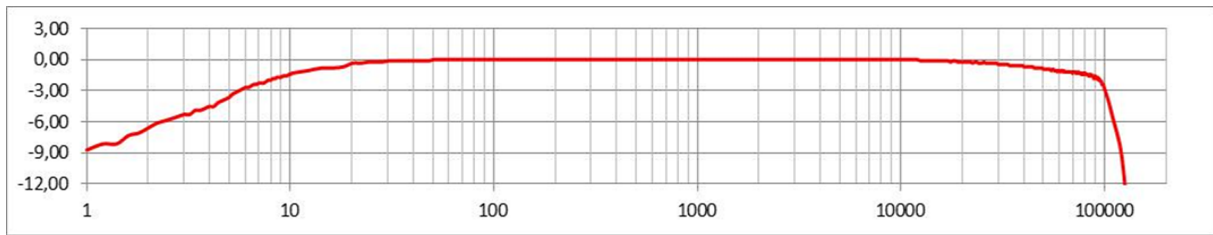
This is about four times the power output of a classic 300B design.

This tube is known for it's sheer musicality and is used in high end commercial designs by reputed companies such as Audio Note, Cary and Lua.

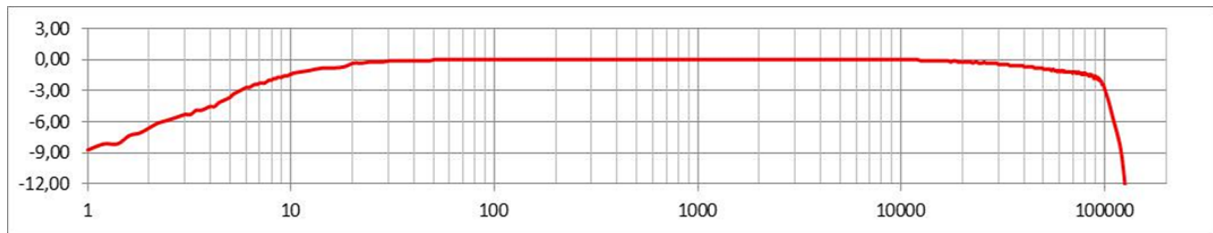
E L E C T R I C A L D A T A

Primary impedance	5100 Ω
Secondary load impedance	4 and 8 Ω
Winding ratio (4/8 Ω)	35.70 / 25.25
Bandwidth (-3 dB @ 1W, sec. grounded)	6 - 104,000 Hz
Core saturation	25 Hz @ 30W rms
Primary inductance	39 Hy
Leakage inductance	9.9 mH
Shunt capacitance sec. grounded	439 pF
Shunt capacitance sec. floating	213 pF
Primary DC resistance	201 Ω
Sec. DC resistance 4/8 Ohm	0.28 / 0.55 Ω
Insertion loss 4/8 Ohm	0.29 / 0.29 dB

level (dB) vs. frequency (Hz) 4 ohm - grounded secondary



level (dB) vs. frequency (Hz) 8 ohm - grounded secondary



MECHANICAL DATA AND ELECTRICAL CONNECTIONS

CASE-3

[preliminary new case layout datasheet](#)