



AmorphCore series type SA - 7

single ended output transformer

8400 Ω to 4 and 8 Ω

optimized for 2 1 1 type power triodes in 15 Watt mode
(1000V 60mA condition)

- **Amorphous Metglas™ dual C-core**
- virginal PTFE interlayer dielectric
- vari-lay inter-winding technique
- 8 - 126,000 Hz bandwidth
- 0,21 dB insertion loss

The AmorphCore series " type SA-7 " is a single ended output transformer designed around the 211 triode. 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:

" 15 Watts rms in Class A1 mode "

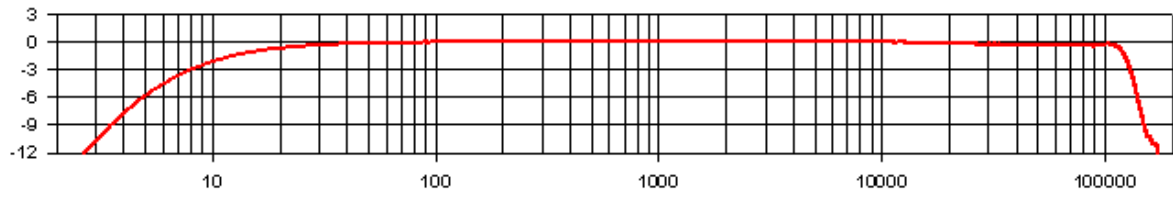
This is about twice the power output of a classic 300B design.

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.

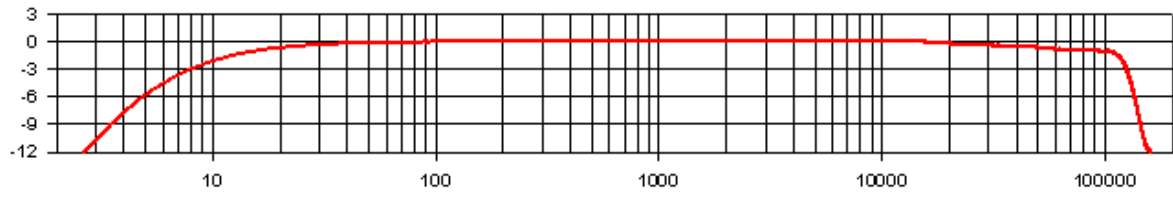
E L E C T R I C A L D A T A

Primary impedance	8400 Ω
Secondary load impedance	4 an 8 Ω
Winding ratio (4/8 Ω)	45.83 / 32.84
Bandwidth (-3 dB @ 1W, sec. grounded)	8 - 126,000 Hz
Core saturation	22 Hz @ 15W rms
Primary inductance	68 Hy
Leakage inductance	13.2 mH
Shunt capacitance sec. grounded	282 pF
Shunt capacitance sec. floating	157 pF
Primary DC resistance	272 Ω
Sec. DC resistance 4/8 Ohm	0.072 / 0.143 Ω
Insertion loss 4/8 Ohm	0.21 / 0.21 dB

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



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



Mechanical data & electrical connections

CASE-3

[preliminary new case layout datasheet](#)