



AmorphCore series type SA - 5

single ended output transformer

8,000 Ω to 4 and 8 Ω

optimized for 845 type power triodes in 25 Watt mode
(1000V 80mA condition)

- **Amorphous Metglas™ dual C-core**
- virginal PTFE interlayer dielectric
- vari-lay inter-winding technique
- 6 - 93,000 Hz bandwidth
- 0,26 dB insertion loss

The AmorphCore series " type SA-5 " is a single ended output transformer designed around the 845 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 :

" 25 Watts rms in Class A1 mode "

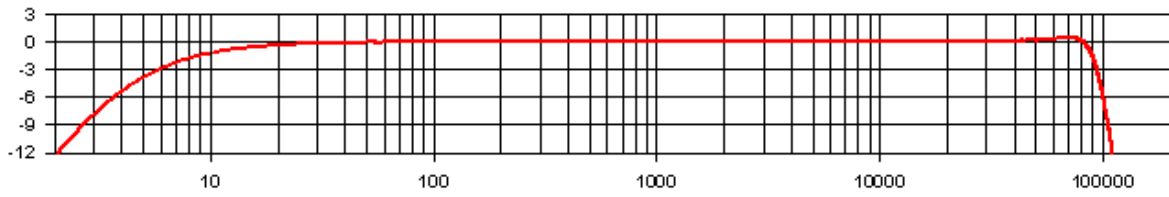
This is about 3 times the power output of a classic 300B design.

Great amps such as the Cary 805, Aries 845 monoblocks, Unison S8, Nagra VPA are using this truly magnificent directly heated triode.

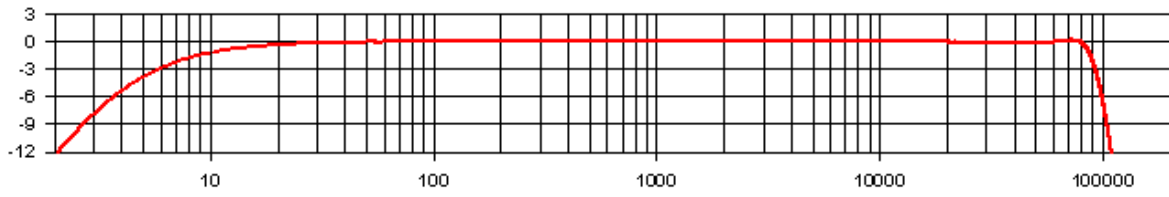
E L E C T R I C A L D A T A

Primary impedance	8,000 Ω
Secondary load impedance	4 an 8 Ω
Winding ratio (4/8 Ω)	44.71 / 31.50
Bandwidth (-3 dB @ 1W, sec. grounded)	6 - 93,000 Hz
Core saturation	21 Hz @ 25W rms
Primary inductance	65 H _y
Leakage inductance	14.5 mH
Shunt capacitance sec. grounded	410 pF
Shunt capacitance sec. floating	230 pF
Primary DC resistance	308 Ω
Sec. DC resistance 4/8 Ohm	0.091 / 0.183 Ω
Insertion loss 4/8 Ohm	0.26 / 0.26 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](#)