



AmorphCore series type SA - 9

single ended output transformer

3300 Ω to 4 and 8 Ω

optimized for 300B type power triodes in 10 Watt mode
(400V 80mA condition)

- **Amorphous Metglas™ dual C-core**
- virginal PTFE interlayer dielectric
- vari-lay inter-winding technique
- 7 - 151,000 Hz bandwidth
- 0,27 dB insertion loss

The AmorphCore series " type SA-9 " is a single ended output transformer designed around the 300B triode. It makes use of a substantial amorphous double C-core sourced from a leading manufacturer thereby ensuring high quality standards. This particular product is typically used at 400 Volts plate voltage offering:

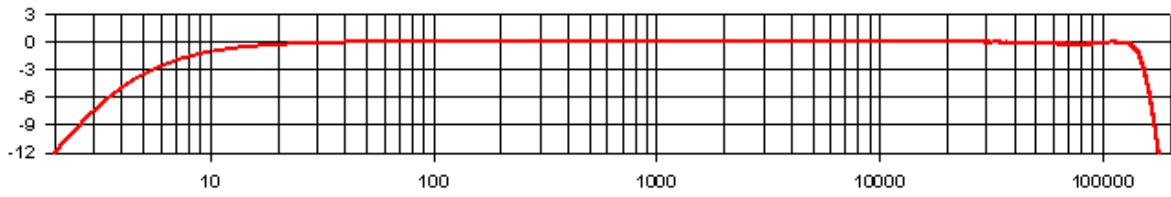
" 10 Watts rms in Class A1 mode "

The 300B is a vacuum triode with a long history of high performance and great sound. This tube is receiving praise from a wide range of listeners and amplifier producers.

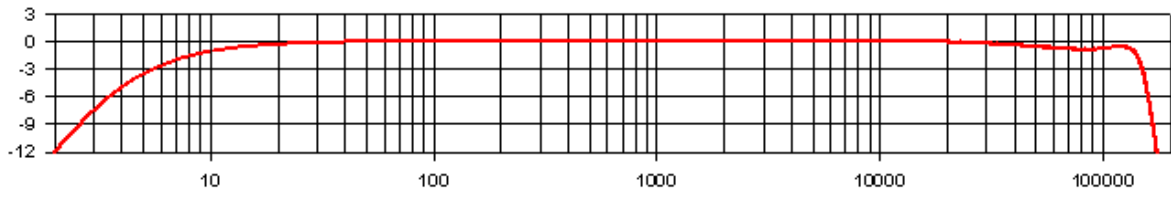
E L E C T R I C A L D A T A

Primary impedance	3300 Ω
Secondary load impedance	4 an 8 Ω
Winding ratio (4/8 Ω)	28.67 / 20.34
Bandwidth (-3 dB @ 1W, sec. grounded)	7 - 151,000 Hz
Core saturation	24 Hz @ 10W rms
Primary inductance	24 Hy
Leakage inductance	5.3 mH
Shunt capacitance sec. grounded	461 pF
Shunt capacitance sec. floating	268 pF
Primary DC resistance	106 Ω
Sec. DC resistance 4/8 Ohm	0.130 / 0.254 Ω
Insertion loss 4/8 Ohm	0.27 / 0.27 dB

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



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



Mechanical data & electrical connections

CASE-2

[preliminary new case layout datasheet](#)