



AmorphCore series type BA - 8 / 5 K

Push Pull output transformer

5000 Ω to 4 and 8 Ω

optimized for PP 3 0 0 B type power triodes
(400V condition)

- **Amorphous Metglas™ dual C-core**
- virginal PTFE interlayer dielectric
- vari-lay inter-winding technique
- < 2 - 175,000 Hz bandwidth
- 0,16 dB insertion loss

The AmorphCore series “ type BA-8/5K ” is a push pull 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:

“ 20 Watts rms in Class A1 mode ”

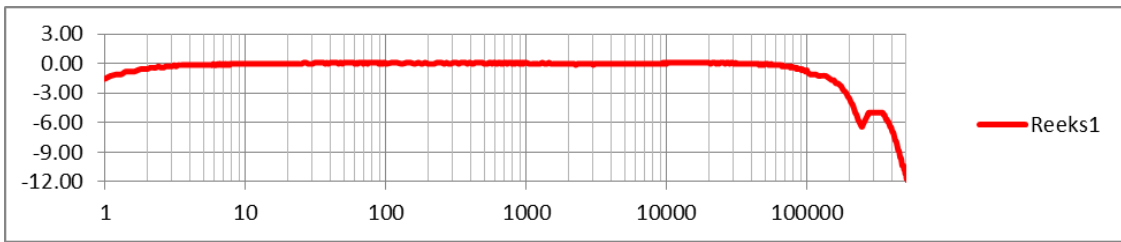
The 300B is a vacuum triode with a long history of high performance and great sound. This tube is receiving praise from a wide range of listeners and amplifier producers.

This tube features midrange harmonic textures that are lusciously sweet sounding. This transformer is also suited for triode strapped KT-88, 6550 applications and is equipped with UL taps.

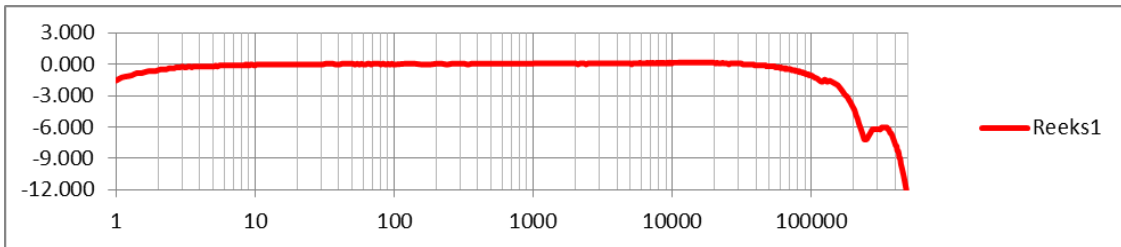
E L E C T R I C A L D A T A

Primary impedance	5000 Ω
Secondary load impedance	4 an 8 Ω
Winding ratio (4/8 Ω)	35.35 / 25.00
Bandwidth (-3 dB @ 1W, sec. grounded)	<2 - 175,000 Hz
Core saturation	21 Hz @ 30W rms
Primary inductance (@ 10 Vrms)	260 Hy
Leakage inductance	4.2 mH
Shunt capacitance sec. grounded	1070 pF
Shunt capacitance sec. floating	340 pF
Primary DC resistance	121 Ω
Sec. DC resistance 4/8 Ohm	0.051 / 0.100 Ω
Insertion loss 4/8 Ohm	0.16 / 0.16 dB

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



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



Rgen (ohm)	f-3dB (Hz) LF	f-3dB (kHz) HF
2X820R	1.4	175
2X2K2	3.6	151

Mechanical data & electrical connections

CASE-2

[preliminary new case layout datasheet](#)