

AmorphCore series type SA - 19

single ended output transformer

1650 Ω to 4 and 8 Ω

optimized for // 300 B power triode in 20 Watt mode
(400V 160mA condition)

- **Amorphous Metglas™ dual C-core**
- virginal PTFE interlayer dielectric
- vari-lay inter-winding technique
- 6 - 169,000 Hz bandwidth
- 0,24 dB insertion loss

The AmorphCore series " type SA-19 " is a single ended output transformer designed around a parallel 300B 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 400 Volts plate voltage offering :

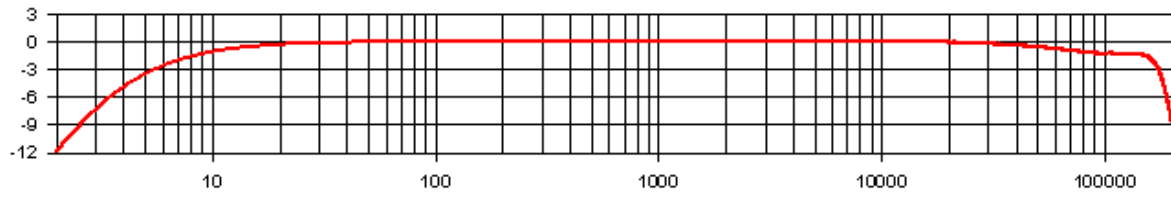
" 20 Watts rms in Class A1 mode "

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.

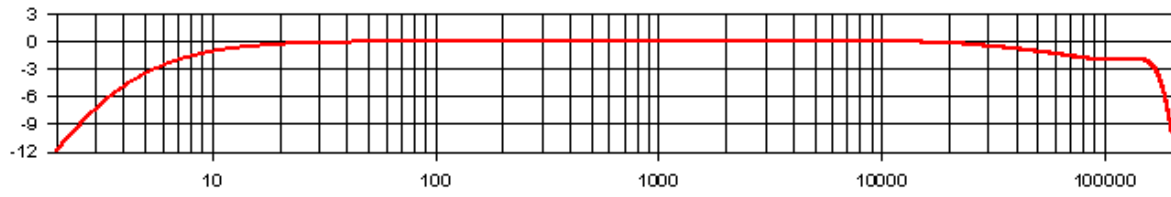
E L E C T R I C A L D A T A

Primary impedance	1650 Ω
Secondary load impedance	4 an 8 Ω
Winding ratio (4/8 Ω)	20.43 / 14.44
Bandwidth (-3 dB @ 1W, sec. grounded)	6 - 169,000 Hz
Core saturation	16 Hz @ 20W rms
Primary inductance	17 Hy
Leakage inductance	3.2 mH
Shunt capacitance sec. grounded	598 pF
Shunt capacitance sec. floating	335 pF
Primary DC resistance	41 Ω
Sec. DC resistance 4/8 Ohm	0.122 / 0.250 Ω
Insertion loss 4/8 Ohm	0.23 / 0.24 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](#)