

# AmorphCore series type BA - 8 / 6 K 6

---

## Push Pull output transformer

6600  $\Omega$  to 4 and 8  $\Omega$

30 Watts output power

- **Amorphous Metglas™ dual C-core**
- virginal PTFE interlayer dielectric
- < 2 - 128,000 Hz bandwidth
- 0,16 dB insertion loss

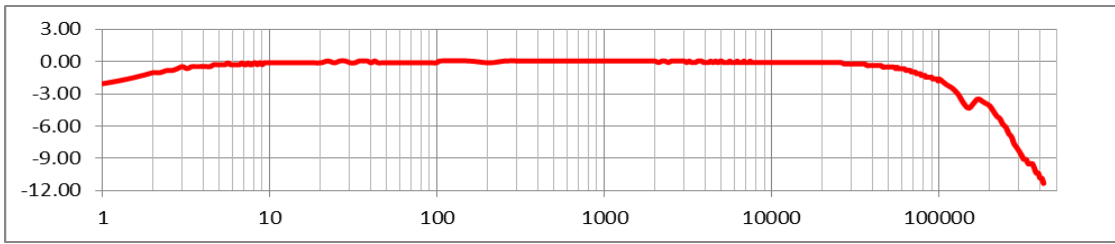
The AmorphCore series “ type BA-8/6K6 ” is a push pull output transformer designed around the 300B triode. It makes use of a substantial amorphous double C-core sourced from a leading manufacturer thereby ensuring high quality standards. This particular product is typically used at 400 Volts plate voltage.

Tubes such as 300B, 300BXLs KT-66, KT-88, KT-90, KT120, EL-34, 6L6, 5881 are all suitable candidates for this output transformer. The transformer can be equipped with ultralinear taps for higher power output when using beam tetrodes or pentodes. Even at 50 Watts output power, core saturation is only visible below 25 Hz.

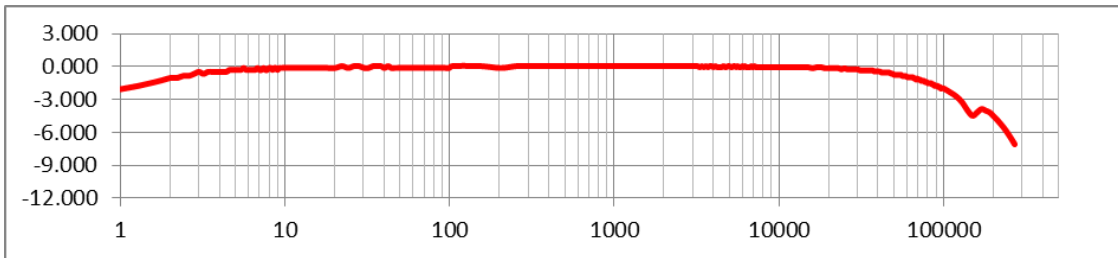
## E L E C T R I C A L D A T A

Primary impedance	6600 $\Omega$
Secondary load impedance	4 an 8 $\Omega$
Winding ratio (4/8 $\Omega$ )	40.62 / 28.72
Bandwidth (-3 dB @ 1W, sec. grounded)	<2 - 128,000 Hz
Core saturation	18 Hz @ 30W rms
Primary inductance (@ 10 Vrms)	328 H $\mu$
Leakage inductance	10.2 mH
Shunt capacitance sec. grounded	630 pF
Shunt capacitance sec. floating	260 pF
Primary DC resistance	141 $\Omega$
Sec. DC resistance 4/8 Ohm	0.096 / 0.164 $\Omega$
Insertion loss 4/8 Ohm	0.19 / 0.18 dB

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



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



<b>Rgen (ohm)</b>	<b>f-3dB (Hz) LF</b>	<b>f-3dB (kHz) HF</b>
2X820R	< 1	130
2X2K2	2.2	131

Mechanical data & electrical connections

CASE-2

[preliminary new case layout datasheet](#)