

TRAFKO-VDV-600-32-HPH transformator prilagođenja impedanse.

Većina modernih slušalica imaju impedansu 32 oma. Raniji tipovi i neki veoma kvalitetni telefoni su imali impedansu 600 oma. Ovi 600 Omski tipovi su veoma pogodni za primenu kod cevnih pojačala za slušalice. Pretpostavimo da želite da ujedinite kvalitete modernih 32 Omskih slušalica, sa odličnim cevnom pojačalom za slušalice, neophodno je dobro prilagođenje impedansi. Mali torusni transformator VDV-600-32-HPH to radi. Sada možete da povežete svoje 32 Omske slušalice za cevno kolo, koji radi najbolje sa 600 Omskom opterećenju.

Specifikacije ovog transformatora su izvanredne. Izlazni nivo je mnogo veći od standardnog 1 Vrms izlaza na 32 oma, što stvara veliki headroom. Propusni opseg je širi nego što je ikad viđeno ranije. Posebna pažnja je data na smanjenju magnetne distorzije i sprečavanju bilo kakvog gubitka dragocenih mikro detalja u zvučnoj slici.

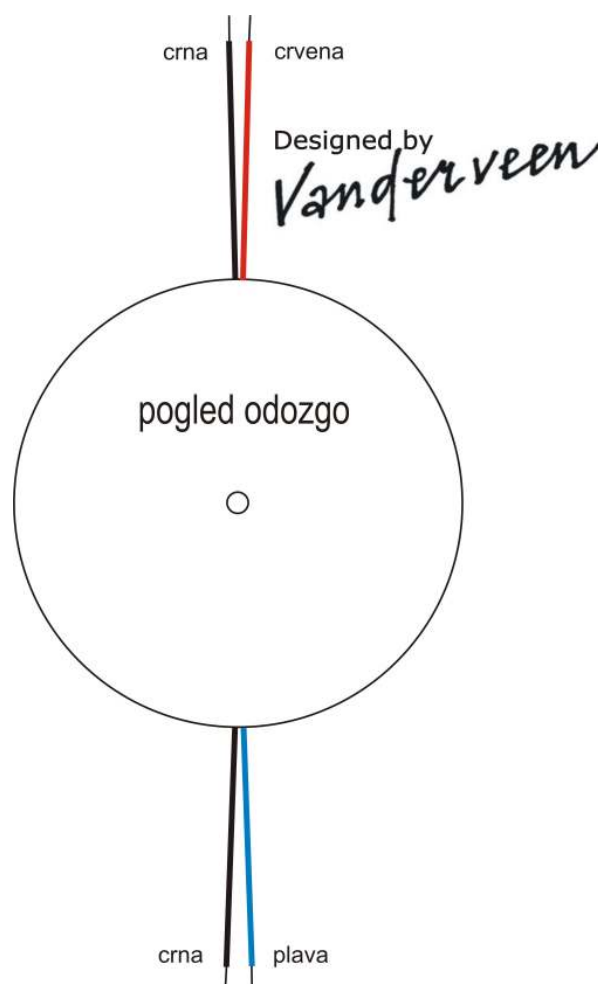
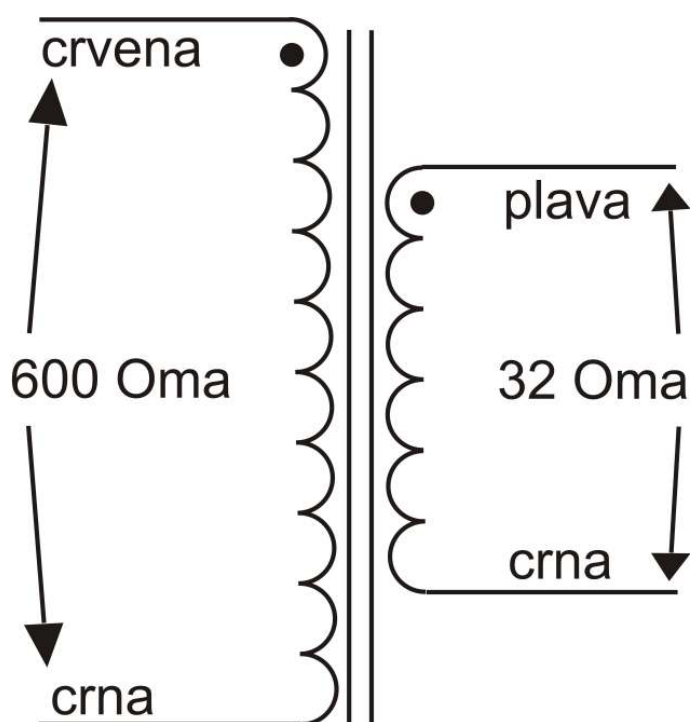
Ovaj transformator impedanse se takođe može koristiti za optimalno prilagođenje visokokvalitetnih 600 Omskih slušalica sa modernim tranzistorskim pojačalima za slušalice. Prilagođenje je obostrano: od visoke do niske, ili od niske do visoke impedanse.

dimenzije: 66 mm x 35mm.

težina: 0,35 Kg.

cena: 65€

Tehnički podaci:



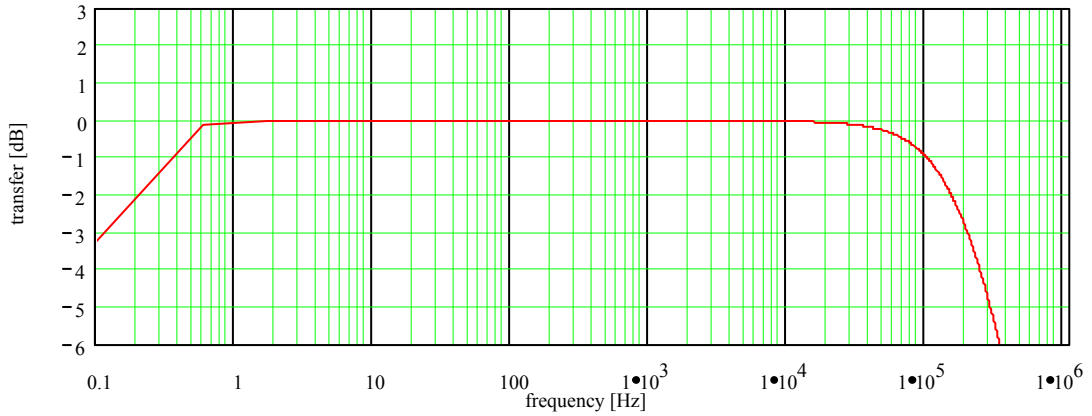
WIDE BANDWIDTH TOROIDAL SPECIAL HEADPHONE TRANSFORMER

Type and Application	VDV-600-32-HPH impedance match
Primary Impedance :	Raa = 0.6 [kΩ]
Secondary Impedance :	Rls = 32 [Ω]
Turns Ratio Np/Ns :	Ratio = 4.332 []
UL-tap:	tap = 0 [%]
Cathode Feedback Ratio :	cfb = 0 [%]
-.1 dB Frequency Range [Hz to kHz] (3) :	flf = 0.487 fhf = 42.128
-1 dB Frequency Range [Hz to kHz] (3) :	fl1 = 0.208 fh1 = 95.663
-3 dB Frequency Range [Hz to kHz] (3) :	fl3 = 0.106 fh3 = 186.624
Nominal Power (1) :	Pn = 3 [W]
- 3 dB Power Bandwidth starting at :	fu = 14 [Hz]
Total primary Inductance (2) :	Lp = 175 [H]
Primary Leakage Inductance :	lsp = 0.7 [mH]
Effective Primary Capacitance :	cip = 1.2 [nF]
Total Primary DC Resistance :	Rip = 40 [Ω]
Total Secondary DC Resistance :	Ris = 4.3 [Ω]
Tubes Plate Resistance per section :	ri = 0.05 [kΩ]
Insertion Loss :	lloss = 0.795 [dB]
Q-factor 2nd order HF roll-off (5) :	Q = 0.334 []
HF roll-off Specific Frequency (5) :	Fo = 497.61 [kHz]
Quality Factor (5) :	QF = 2.5•10 ⁵ []
Quality Decade Factor = log(QF) (5) :	QDF = 5.398 []
Tuning Factor (5) :	TF = 7.068 []
Tuning Decade Factor = log(TF) (5) :	TDF = 0.849 []
Frequency Decade Factor (4,5) :	FDF = 6.247 []

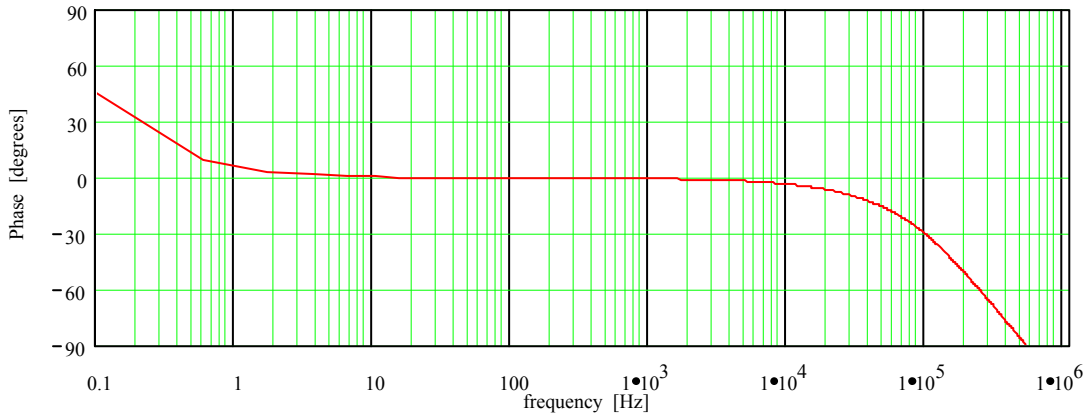
- (1): calculated under the conditions of balancing the DC-currents and the AC-anode voltages of the powertubes driving the transformer
- (2): measured at 100Vrms at 50Hz over total primary
- (3): calculation at 1 Watt in Rls; ri and Rls are pure Ohmic
- (4): defined as FDF = log(fh3/fl3) = number of frequency decades transfered
- (5): ir. Menno van der Veen; Theory and Practise of Wide Bandwidth Toroidal Output Transformers; preprint 3887, 97th AES Convention San Francisco
- (C): Copyright 1994 Vanderveen; Version 1.7; results date 27-06-2012.
Final specs can deviate 15% or improve without notice

TOROIDAL HEADPHONE TRANSFORMER ; VDV-600-32-HPH Impedance match

Frequency Response; Vertical 1 dB/div; Horizontal .1 Hz to 1 MHz (3)

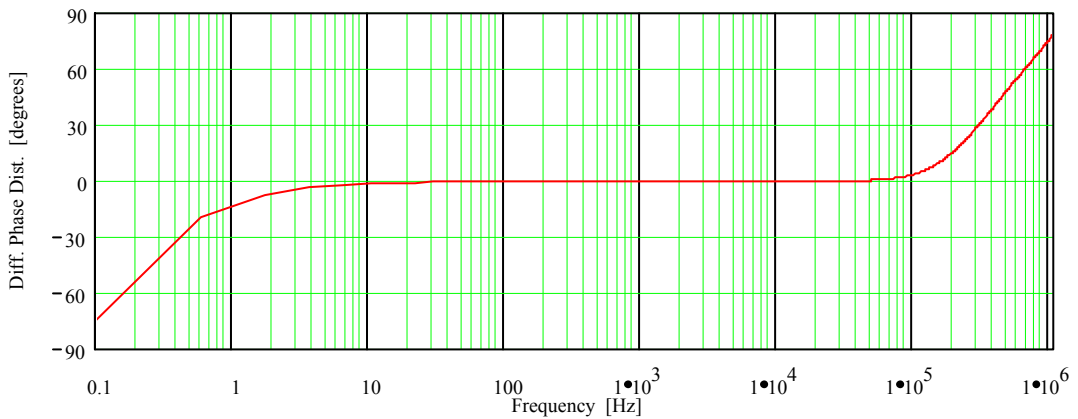


Phase Response; Vertical 30 deg./div; Horizontal .1 Hz to 1 MHz



Differential Phase Distortion; vert. 30 deg./div; hor. .1 Hz to 1 MHz

See: W.M.Leach, Differential Time Delay.; JAES sept.89 pp.709-715



(C): Copyright 1994: Ir. bureau Vanderveen