G4040-PP

Ovaj širokopropusni torusni puš-pul izlazni transformator G4040-PP sa 33% Ultra Linear izvodima namenjen je za visoko kvalitetne cevne pojačavače sa srednje-visokim frekventnim opsegom.Takodje je namenjen gitarskim pojačavačima sa izlaznim cevima 6L6, 6550 ili EL34 i daje ekstremno visoko kvalitetnu reprodukciju zvuka.Propusni opseg je od 60 Hz do 300 kHz. Primarna impedansa je 4 kOma i jednom sekundarnom impedansom od 4 Oma.Nominalna snaga je 40 W.

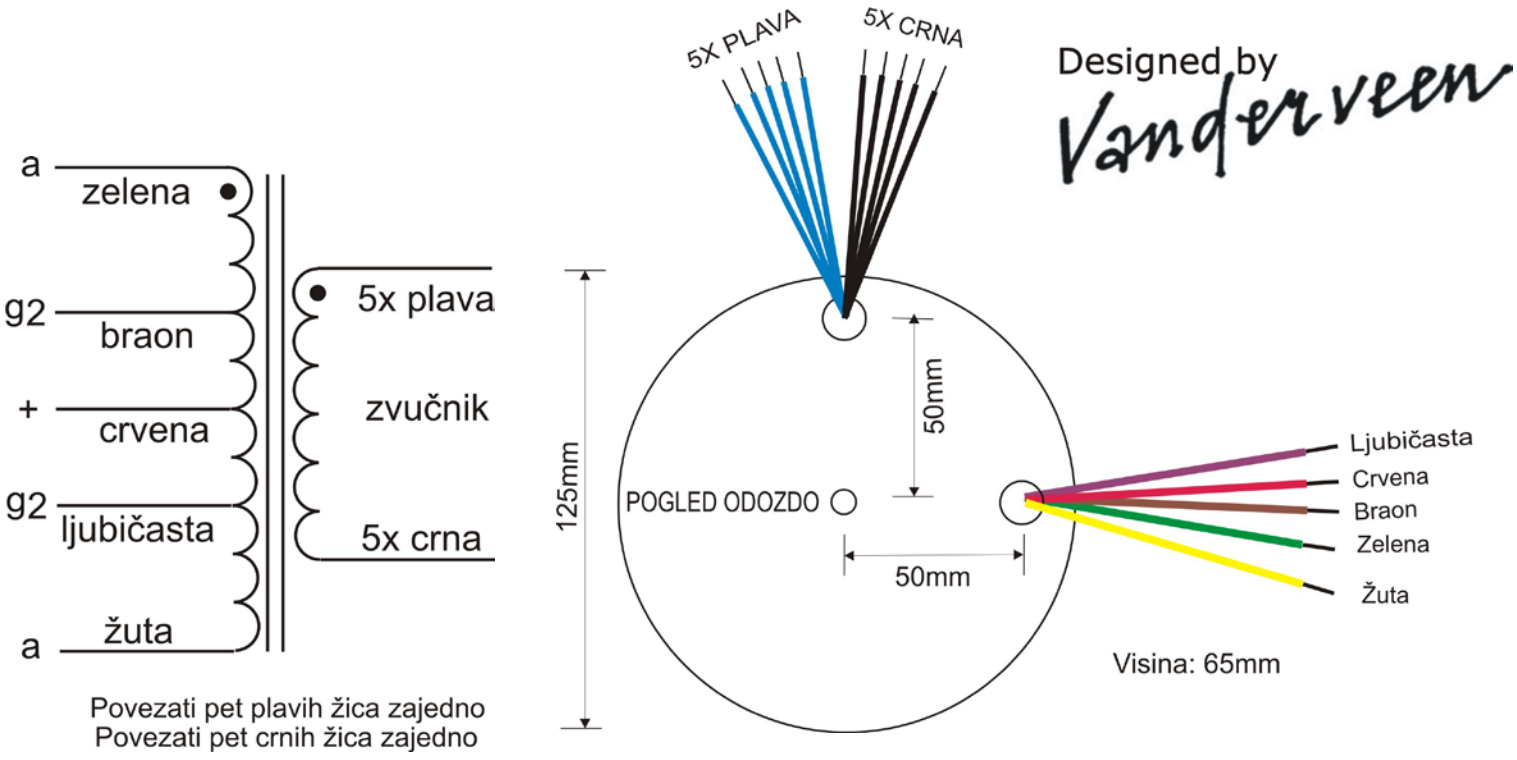
Transformator je zaliven u metalnom kružnom kućištu koje je plastificirano crnom mat bojom.

Dimenzije (prečnik x visina): 125mm x 65mm

Težina: 2 Kg.

Cena: 214€ (Dinarska protivvrednost).

Tehnički podaci:



WIDE BANDWIDTH TOROIDAL PUSH-PULL TUBE OUTPUT TRANSFORMER

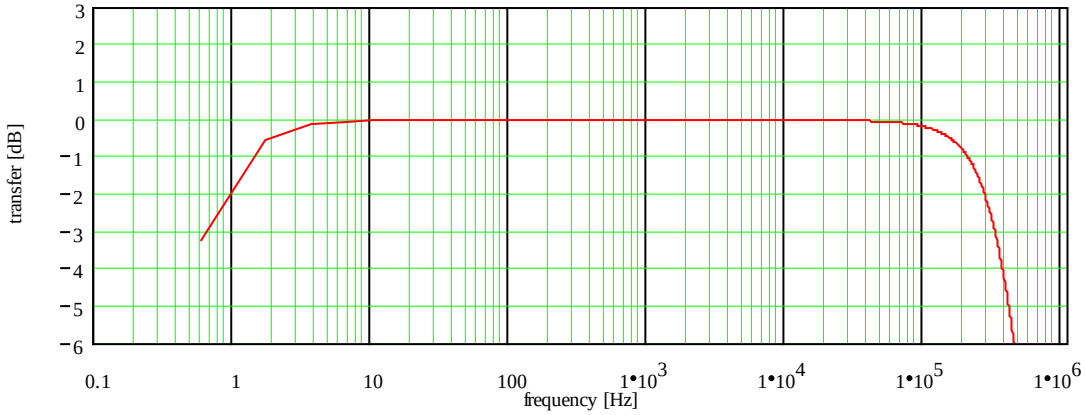
Type and Application		VDV-G4040 reference specs.	
Primary Impedance	:	$Raa = 3.93$	[kΩ]
Secondary Impedance	:	$Rls = 4$	[Ω]
Turns Ratio Np/Ns	:	$Ratio = 31.345$	[ ]
UL-tap:		$tap = 33$	[%]
Cathode Feedback Ratio	:	$cfb = 0$	[%]
-.1 dB Frequency Range [Hz to kHz] (3)	:	$flf = 2.903$	$fhf = 101.454$
-1 dB Frequency Range [Hz to kHz] (3)	:	$fl1 = 1.238$	$fh1 = 193.379$
-3 dB Requency Range [Hz to kHz] (3)	:	$fl3 = 0.63$	$fh3 = 301.478$
Nominal Power (1)	:	$Pn = 40$	[W]
- 3 dB Power Bandwidth starting at	:	$fu = 60$	[Hz]
Total primary Inductance (2)	:	$Lp = 440$	[H]
Primary Leakage Inductance	:	$lsp = 1.96$	[mH]
Effective Primary Capacitance	:	$cip = 0.267$	[nF]
Total Primary DC Resistance	:	$Rip = 68.1$	[Ω]
Total Secondary DC Resistance	:	$Ris = 0.102$	[Ω]
Tubes Plate Resistance per section	:	$ri = 1.5$	[kΩ]
Insertion Loss	:	$Iloss = 0.182$	[dB]
Q-factor 2nd order HF roll-off (5)	:	$Q = 0.637$	[ ]
HF roll-off Specific Frequency (5)	:	$Fo = 338.418$	[kHz]
Quality Factor (5)	:	$QF = 2.245 \cdot 10^5$	[ ]
Quality Decade Factor = log(QF) (5)	:	$QDF = 5.351$	[ ]
Tuning Factor (5)	:	$TF = 2.131$	[ ]
Tuning Decade Factor = log(TF) (5)	:	$TDF = 0.329$	[ ]
Frequency Decade Factor (4,5)	:	$FDF = 5.68$	[ ]

(1): calculated under the conditions of balancing the DC-currents and the AC-anode voltages of the powertubes driving the transformer
(2): measured at 230Vrms 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

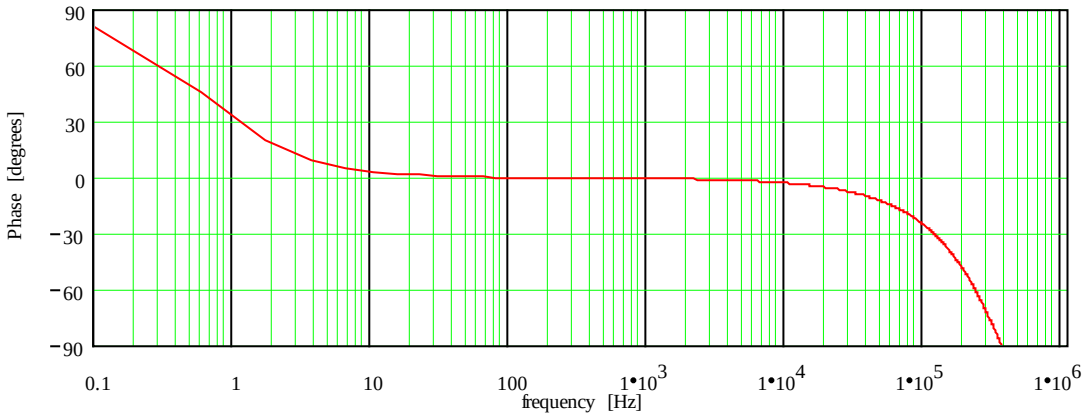
Final specs can deviate 15% or improve without notice

TRAFCO TOROIDAL PUSH-PULL TRANSFORMER ; VDV-G4040; reference specs

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