

G4040-PP

Тороидальный широкополосный выходной пуш-пул трансформатор G4040-PP с 33% ультра-линейными фильтрами предусмотрен высококачественных ламповых усилителей с частотным диапазоном среднего уровня. Также предусмотрен для усилителей гитар с выходными лампами 6L6, 6550 или EL34, обеспечивая весьма высокое качественное воспроизведение звука. Пропускная способность от 60 Гц до 300 кГц. Основное сопротивление 4 кОма, выходное сопротивление 4 Ома. Номинальная мощность 40 Вт.

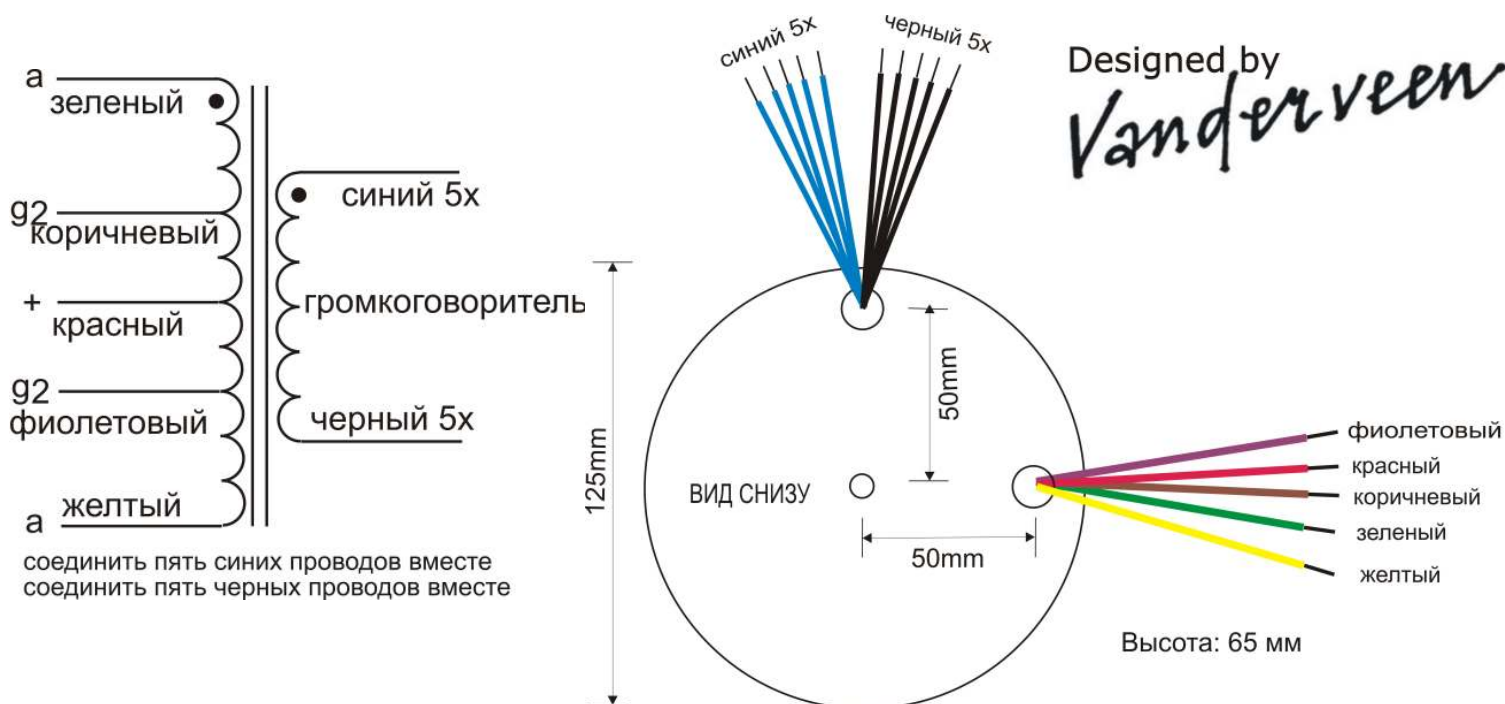
Трансформатор залитый в металлическом корпусе с полимерным покрытием черного цвета.

Размеры (диаметр x высота): 125мм x 65мм

Вес: 2,0 кг.

Цена: 214€

Технические данные:



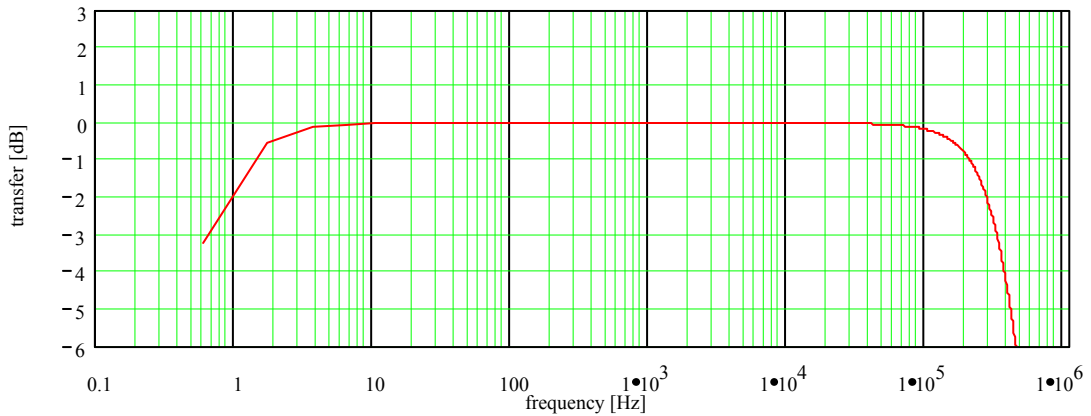
WIDE BANDWIDTH TOROIDAL PUSH-PULL TUBE OUTPUT TRANSFORMER

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 Frequency 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	:	lloss = 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 · 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	[]

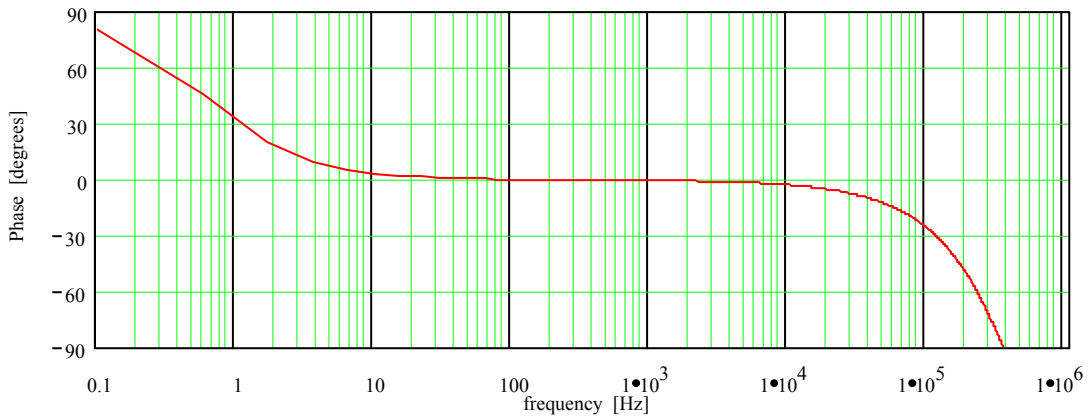
- (1): calculated under the conditions of balancing the DC-currents and the AC-anode voltages of the powertubes driving the transformer
- (2): measured at 230Vrms at 50Hz over total primary
- (3): calculation at 1 Watt in Rls; ri and Rls are pure Ohmic
- (4): defined as FDF = log(fh3/fl3) = number of 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
- (C): Copyright 1994 Vanderveen; Version 1.7; results date 29-08-2011.
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

