

1070-UC

Данный трансформатор предусмотрен для двух ламп EL34 с единичной связью (Unity Coupled). Эффективное сопротивление 5 Ом, выходное сопротивление стандартное, 5 кОм. Мощность трансформатора 70Вт с пропускной способностью от 14 Гц до 440 кГц. Специальная обмотка обратной связи обеспечивает передовую типологию обратной связи. Смотри (*) для подробной информации о трансформаторе.

(*) Книга Menno van der Veen: Menno van der Veen: High-end Valve Amplifiers 2, New models and applications; Elektor; ISBN: 978-0-905705-90-3; раздел 3.13

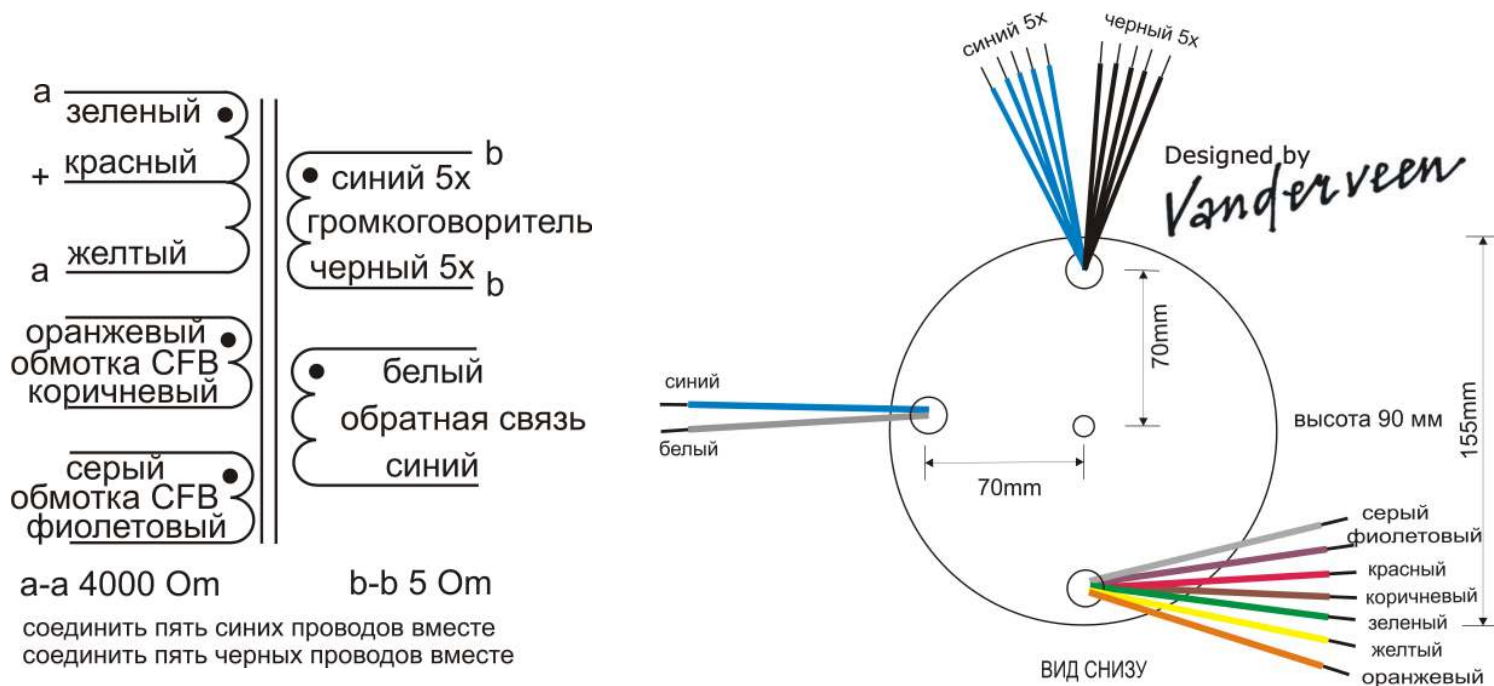
Трансформатор залитый в металлическом корпусе с полимерным покрытием черного цвета.

Размеры (диаметр x высота): 155мм x 90мм

Вес: 4,6 кг.

Цена: 235€

Технические данные:



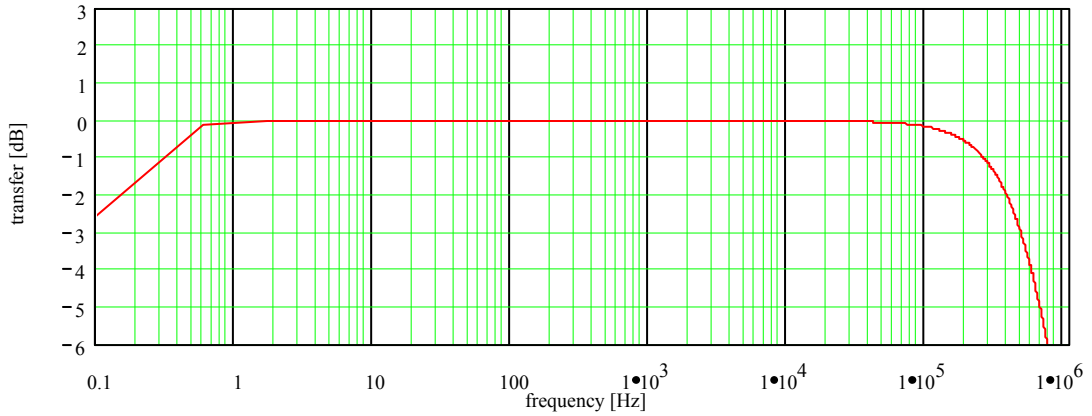
WIDE BANDWIDTH TOROIDAL PUSH-PULL TUBE OUTPUT TRANSFORMER

Type and Application		VDV-1070-UC.	
Primary Impedance	:	Raa = 4	[kΩ]
Secondary Impedance	:	Rls = 5	[Ω]
Turns Ratio Np/Ns	:	Ratio = 28.284	[]
UL-tap:		tap = -100	[%]
Cathode Feedback Ratio	:	cfb = 100	[%]
-1 dB Frequency Range [Hz to kHz] (3)	:	flf = 0.416	fhf = 110.074
-1 dB Frequency Range [Hz to kHz] (3)	:	fl1 = 0.177	fh1 = 244.565
-3 dB Frequency Range [Hz to kHz] (3)	:	fl3 = 0.09	fh3 = 450.161
Nominal Power (1)	:	Pn = 70	[W]
- 3 dB Power Bandwidth starting at	:	fu = 14	[Hz]
Total primary Inductance (2)	:	Lp = 1.574•10 ³	[H]
Primary Leakage Inductance	:	lsp = 0.67	[mH]
Effective Primary Capacitance	:	cip = 0.388	[nF]
Total Primary DC Resistance	:	Rip = 78.4	[Ω]
Total Secondary DC Resistance	:	Ris = 0.18	[Ω]
Tubes Plate Resistance per section	:	ri = 0.53	[kΩ]
Insertion Loss	:	lloss = 0.235	[dB]
Q-factor 2nd order HF roll-off (5)	:	Q = 0.501	[]
HF roll-off Specific Frequency (5)	:	Fo = 696.834	[kHz]
Quality Factor (5)	:	QF = 2.349•10 ⁶	[]
Quality Decade Factor = log(QF) (5)	:	QDF = 6.371	[]
Tuning Factor (5)	:	TF = 2.122	[]
Tuning Decade Factor = log(TF) (5)	:	TDF = 0.327	[]
Frequency Decade Factor (4,5)	:	FDF = 6.698	[]

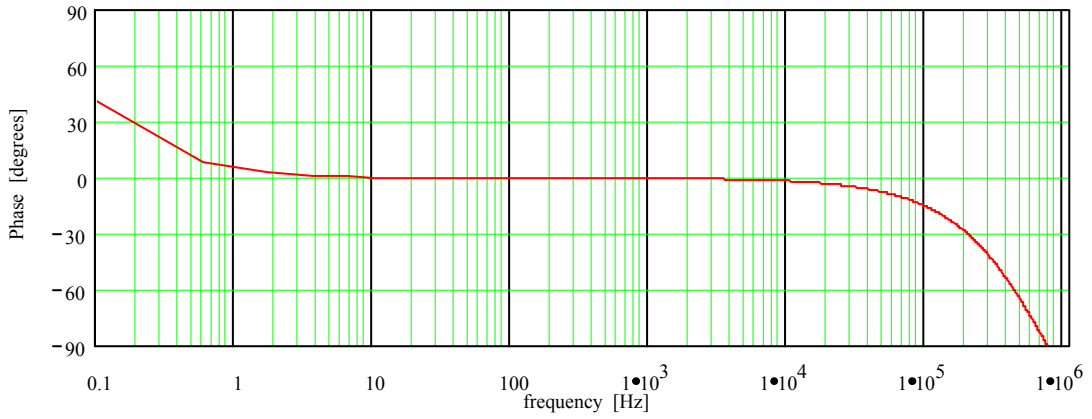
- (1): calculated under the conditions of balancing the DC-currents and the AC-anode voltages of the power tubes driving the transformer
- (2): measured at 230Vrms at 50Hz over total primary
- (3): calculation at 1 Watt in Rls; ri and Rls are pure Ohmic
- (4): defined as FDF = log(fh3/fl3) = number of frequency decades transferred
- (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 2-2-2012.
Final specs can deviate 15% or improve without notice

TRAFCO TOROIDAL PUSH-PULL TRANSFORMER ; VDV-1070-UC

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

