

6025-SE izlazni transformator je skoro isti kao 3025-SE, osim što mu je izlazna snaga 30 W. 300B-i se mogu paralelno povezati, kao i 2 x EL34/KT88/KT90 u paralelnoj vezi, bez ikakve niskofrekventne zasićenosti transformatora, pri čemu se održava izvanredan širokofrekventan opseg bez rezonanci ili preopterećenja. I ovde je izvanredna reprodukcija mikrodetalja prosto zadivljujuća.

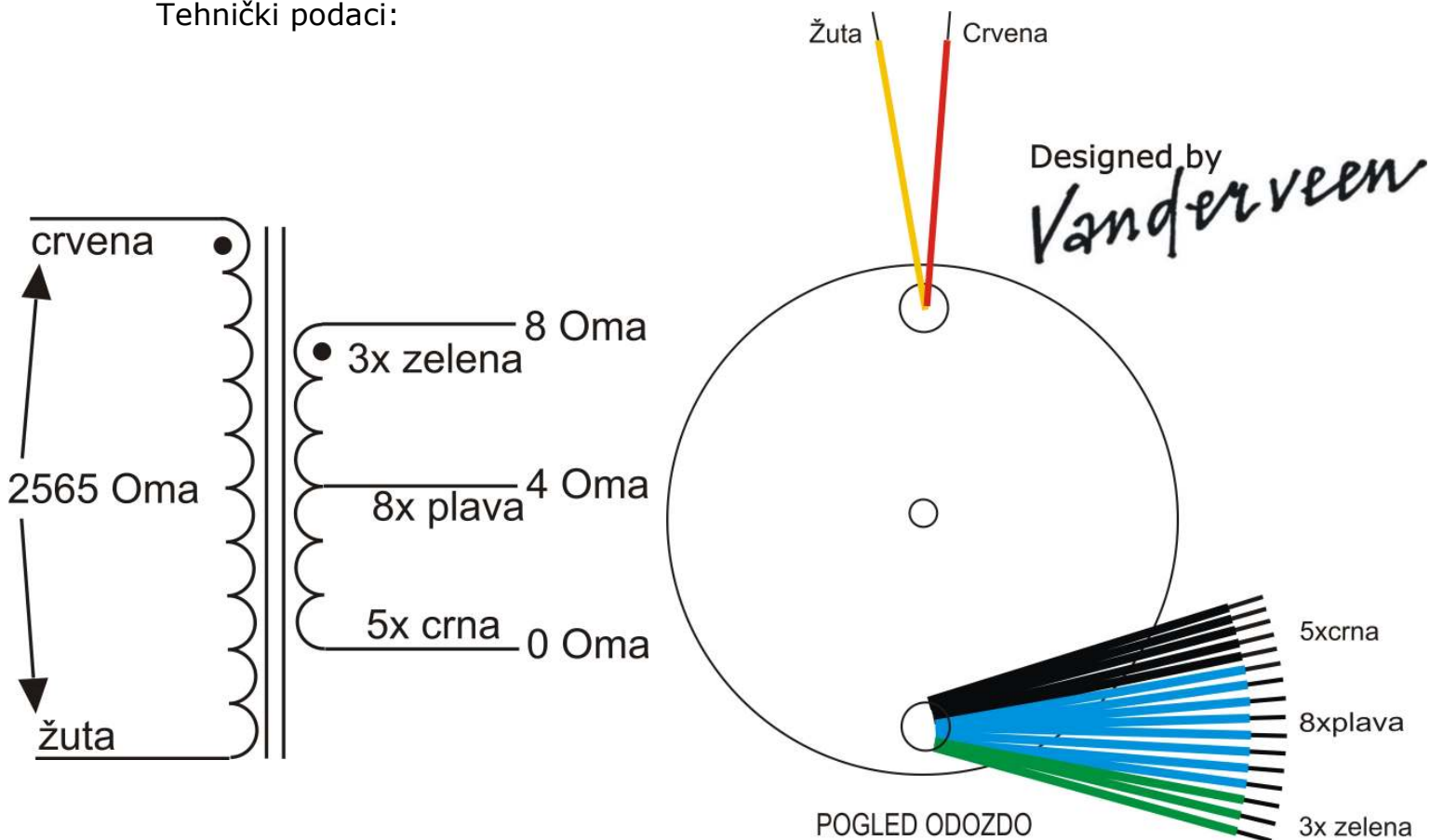
Transformator je zaliven u metalnom kružnom kućištu koje je plastificirano crnom mat bojom.

Dimenzije (prečnik x visina): 155mm x 90mm.

Težina: 6,3 Kg.

Cena: 364€ (Dinarska protivvrednost).

Tehnički podaci:



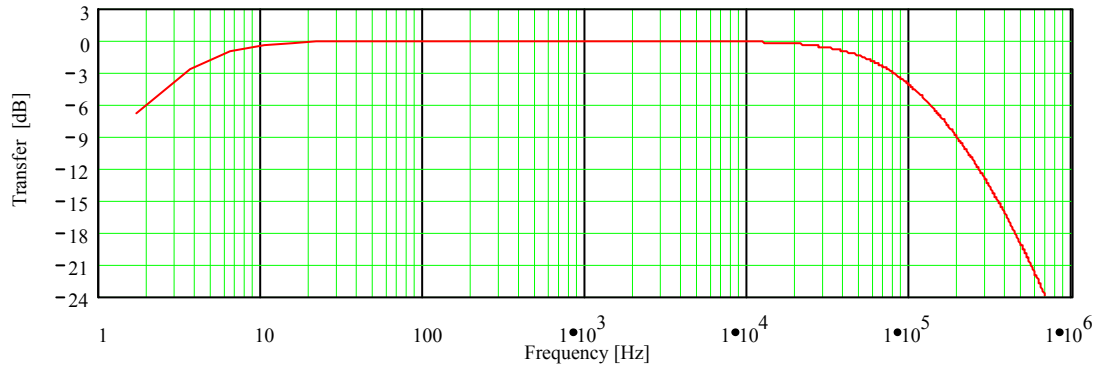
VDV-6025-SE SINGLE ENDED OUTPUT TRANSFORMER

TYPE & APPLICATION	:	VDV-6025-SE	
Primary Impedance	:	$R_{aa} = 2.565$	[k Ω]
Secondary Impedance	:	$R_{ls} = 4$	[Ω]
Turns Ratio N_p/N_s	:	Ratio = 25.324	[]
-1 dB Frequency Range [Hz] - [kHz]	:	$f_{lf} = 15.322$	$f_{hf} = 17.998$
-1 dB Frequency Range [Hz] - [kHz]	:	$f_{l1} = 6.535$	$f_{h1} = 40.812$
-3 dB Frequency Range [Hz] - [kHz]	:	$f_{l3} = 3.326$	$f_{h3} = 79.253$
Nominal Power (1)	:	$P_n = 30$	[W]
Full Power Bandwidth Starting at	:	$f_{Pnom} = 20$	[Hz]
Total Primary Inductance (2)	:	$L_p = 21$	[H]
Primary Leakage Inductance to sec.	:	$l_{sp} = 6.3$	[mH]
Effective Primary Capacitance	:	$C_{ip} = 0.75$	[nF]
Saturation Primary Current	:	$2 \cdot I_{dc} = 305.871$	[mA]
Total Primary DC Resistance	:	$R_{ip} = 47.5$	[Ω]
Total Secondary DC Resistance	:	$R_{is} = 0.07$	[Ω]
Tubes Plate Resistance	:	$r_p = 0.48$	[k Ω]
Insertion Loss	:	$l_{loss} = 0.154$	[dB]
Q-factor 2-nd order HF roll-of (5)	:	$Q = 0.368$	[]
HF roll-off Specific Frequency (5)	:	$F_o = 187.199$	[kHz]
Quality Factor = L_p/L_{sp} (5)	:	$QF = 3.333 \cdot 10^3$	[]
Quality Decade Factor (5)	:	$QDF = 3.523$	[]
Tuning Factor (5)	:	$TF = 7.149$	[]
Tuning Decade Factor (5)	:	$TDF = 0.854$	[]
Frequency Decade Factor (4,5)	:	$FDF = 4.377$	[]

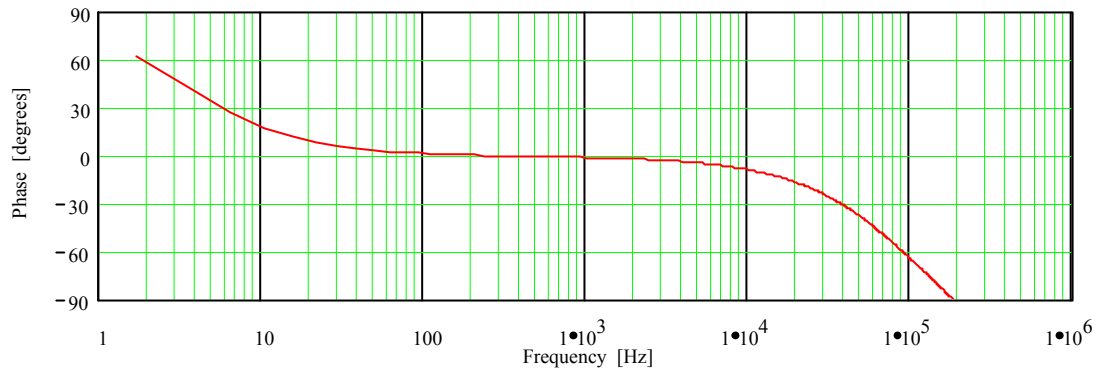
- (1): calculated and measured under the conditions of applying $0.5 \cdot I_{dc-sat}$.
(2): 132 Volt 50 Hz measurement over the total primary winding
(3): calculated and measured at 1 Watt in R_{ls} ; r_i and R_{ls} are pure Ohmic
(4): defined as $FDF = \log(f_{h3}/f_{l3}) =$ number of frequency decades transferred
(5): ir. Menno van der Veen; Theory and Practise of Wide Bandwidth Toroidal Output Transformers, 97-th AES Convention San Francisco, preprint
(C): copyright Vanderveen 1997, Version 1.3: design date 2-7-07

VDV-6025-SE SINGLE ENDED OUTPUT TRANSFORMER

[dB] Frequency Response; Vertical: 3 dB/div; Horizontal: 1 Hz to 1 MHz (3)



[degrees] Phase Response; Vertical: 30 deg./div; Horizontal: 1 Hz to 1 MHz



[degrees] Differential Phase Response; vert. 30 deg./div; hor. 1 Hz to 1 MHz
See: W.M.Leach, Differential Time Delay.; JAES sept.89 pp.709-715

