3050 SE

3025/3035/3050 Single Ended torusni izlazni transformatori razlikuju se samo po primarnoj impedansi, u rasponu od 2k5 , 3k5 do 5kOma. Pretežno su namenjeni za rad sa čuvenom 300B triodom ili sa dve 2A3 triode povezane u paralelu.Takođje i pentode kao što su EL34/6L6/KT88 (2k5) i EL84 (5k) mogu se primeniti u Single Ended radu. Transformatori postižu izuzetne rezultate u širokom frekventnom opsegu bez ikakvih rezonanci i preopterećenja i izuzetno preciznu reprodukciju mikrodetalja u izolovanom studiju (vidi AES dokumenta br. 7125 i 8360, <www.mennovanderveen.nl> odeljak Publikacije). Maksimalna nazivna izlazna snaga iznosi 13 W, mada su moguće primene sa maksimalnom snagom do 17 W, uz održavanje niske distorzije. Ova tri transformatora daju izuzetno čist zvuk, kako biste dobili ono najbolje od vašeg Single Ended pojačala.

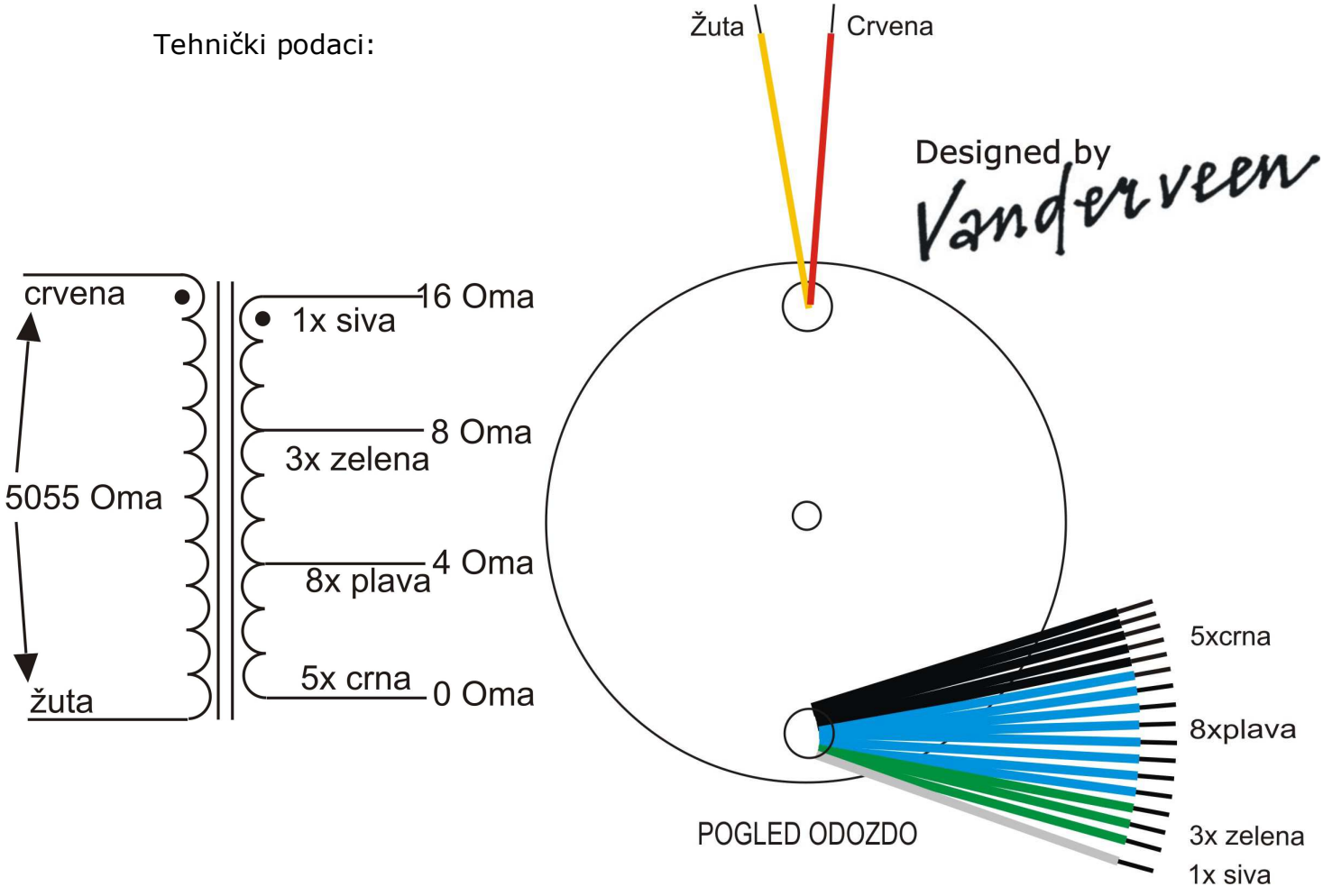
Transformator je zaliven u metalnom kružnom kućištu koje je plastificirano crnom mat bojom.

Dimenzije (prečnik x visina): 145mm x 70mm.

Težina:4,6 Kg.

Cena: 268€ (Dinarska protivvrednost).

Tehnički podaci:



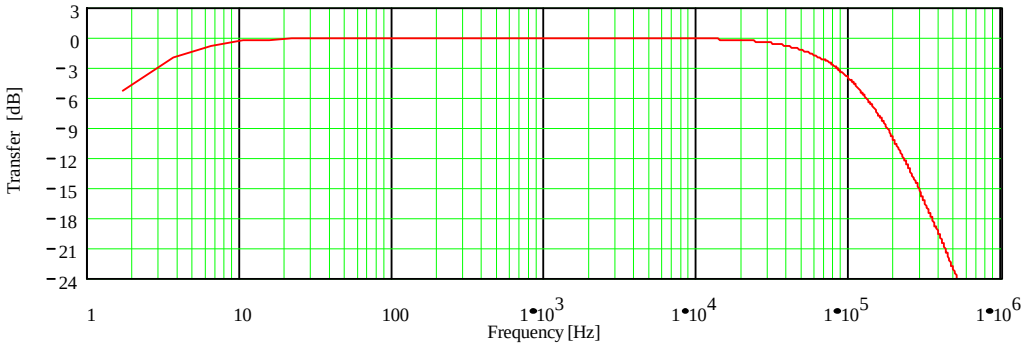
VDV3050-SE SINGLE ENDED OUTPUT TRANSFORMER

TYPE & APPLICATION :	VDV3050-SE		
Primary Impedance :	$Raa = 4.981$	[kΩ]	
Secondary Impedance :	$Rls = 4$	[Ω]	
Turns Ratio Np/Ns :	$Ratio = 35.29$	[ ]	
-.1 dB Frequency Range [Hz] - [kHz] :	$flf = 12.403$	$fhf = 20.124$	
-1 dB Frequency Range [Hz] - [kHz] :	$fl1 = 5.29$	$fh1 = 44.877$	
-3 dB Frequency Range [Hz] - [kHz] :	$fl3 = 2.692$	$fh3 = 83.279$	
Nominal Power (1) :	$Pn = 13$	[W]	
Full Power Bandwidth Starting at :	$fPnom = 20$	[Hz]	
Total Primary Inductance (2) :	$Lp = 40$	[H]	
Primary Leakage Inductance to sec. :	$lsp = 10$	[mH]	
Effective Primary Capacitance :	$Cip = 1.2$	[nF]	
Saturation Primary Current :	$2 \cdot Idc = 144.49$	[mA]	
Total Primary DC Resistance :	$Rip = 80$	[Ω]	
Total Secondary DC Resistance :	$Ris = 0.1$	[Ω]	
Tubes Plate Resistance :	$rp = 0.7$	[kΩ]	
Insertion Loss :	$Iloss = 0.175$	[dB]	
Q-factor 2-nd order HF roll-of (5) :	$Q = 0.49$	[ ]	
HF roll-off Specific Frequency (5) :	$Fo = 133.227$	[kHz]	
Quality Factor = Lp/Lsp (5) :	$QF = 4 \bullet 10^3$	[ ]	
Quality Decade Factor (5) :	$QDF = 3.602$	[ ]	
Tuning Factor (5) :	$TF = 7.733$	[ ]	
Tuning Decade Factor (5) :	$TDF = 0.888$	[ ]	
Frequency Decade Factor (4,5) :	$FDF = 4.49$	[ ]	

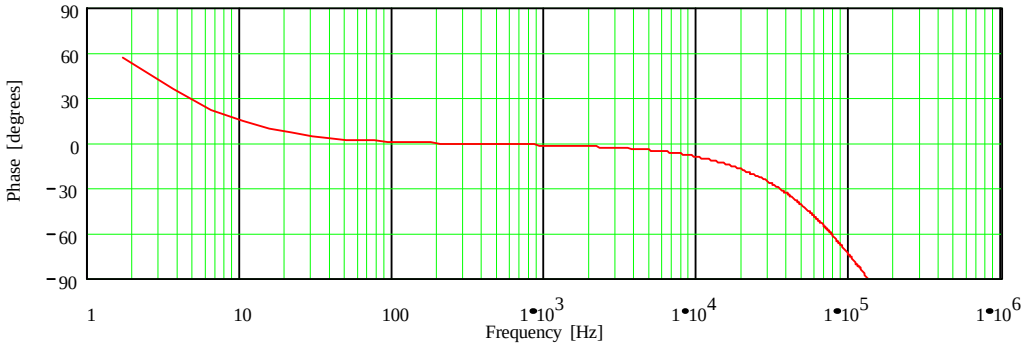
(1): calculated and measured under the conditions of applying 0.5*Idc-sat.
(2): 230 Volt 50 Hz measurement over the total primary winding
(3): calculated and measured at 1 Watt in Rls; ri and Rls are pure Ohmic
(4): defined as FDF = log(fh3/fl3) = number of frequency decades transfered
(5): ir. Menno van der Veen; Theory and Practise of Wide Bandwidth Toroidal Output Transformers, 97-th AES Convention San Francisco, preprint

VDV3050-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