The 6025-SE output transformer is almost equal to the 3025-SE, only with 30 Watt output power. Two or three 300B's in parallel can be applied, as well as 2 x EL34/KT88/KT90 in parallel can be used, without any low frequency saturation of the transformer, while maintaining the excellent wide frequency range without resonances or overshoot. Also here the excellent micro detail reproduction is striking.

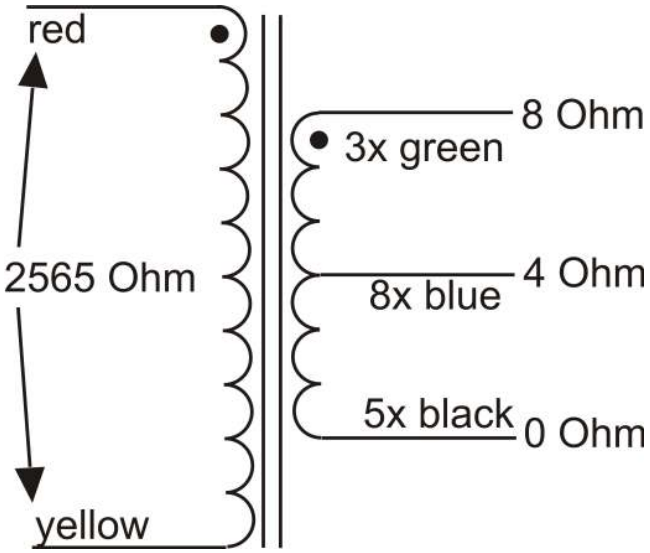
Transformer is potted in aluminium black shell.

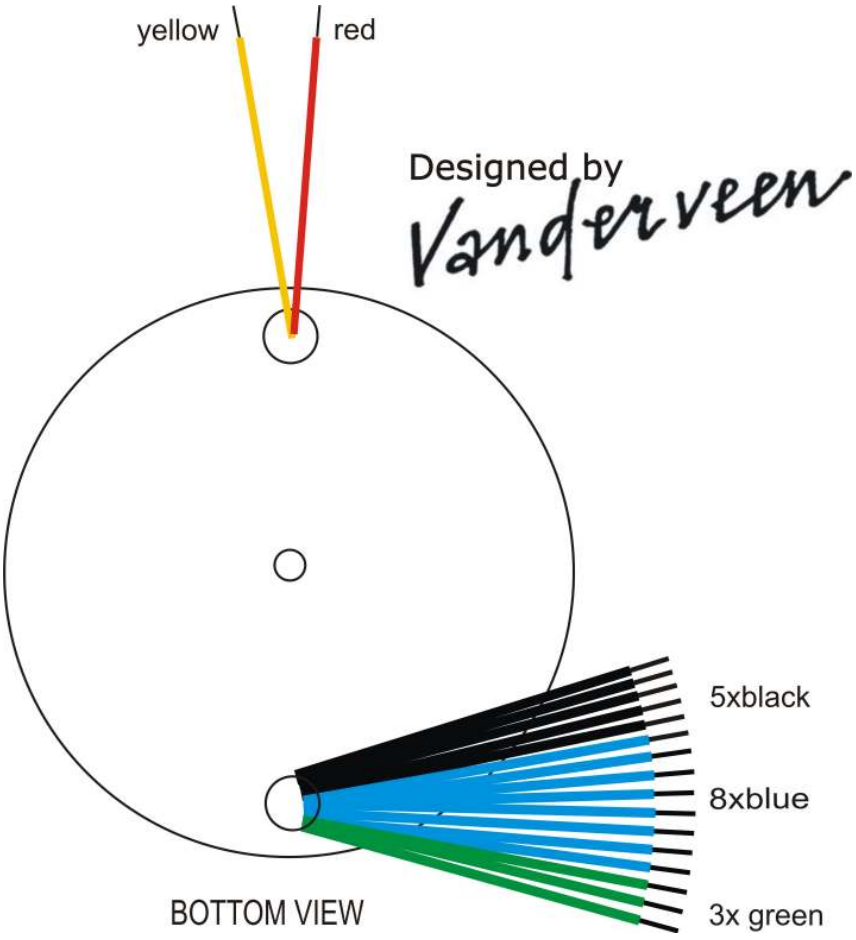
dimensions: 155mm x 90mm.

weight: 6,3 Kg.

price: 364€

technical data:





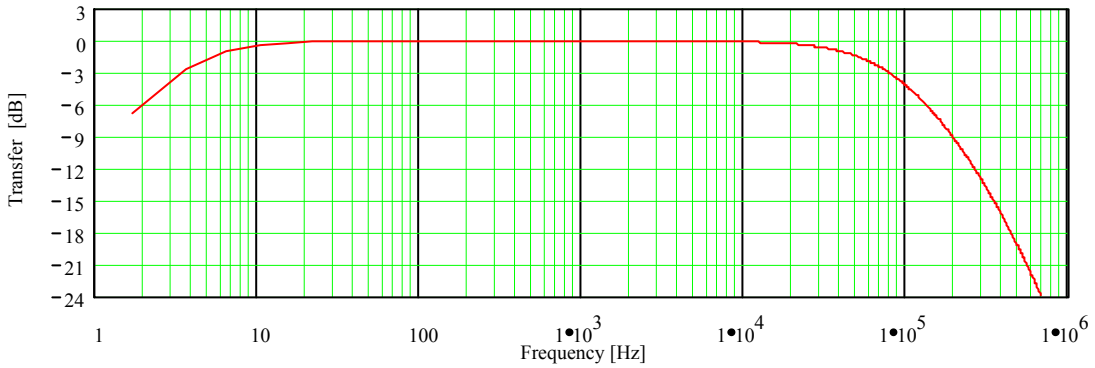
VDV-6025-SE SINGLE ENDED OUTPUT TRANSFORMER

TYPE & APPLICATION :	VDV-6025-SE		
Primary Impedance :	$Raa = 2.565$	[kΩ]	
Secondary Impedance :	$Rls = 4$	[Ω]	
Turns Ratio Np/Ns :	$Ratio = 25.324$	[ ]	
-.1 dB Frequency Range [Hz] - [kHz] :	$flf = 15.322$	$fhf = 17.998$	
-1 dB Frequency Range [Hz] - [kHz] :	$fl1 = 6.535$	$fh1 = 40.812$	
-3 dB Frequency Range [Hz] - [kHz] :	$fl3 = 3.326$	$fh3 = 79.253$	
Nominal Power (1) :	$Pn = 30$	[W]	
Full Power Bandwidth Starting at :	$fPnom = 20$	[Hz]	
Total Primary Inductance (2) :	$Lp = 21$	[H]	
Primary Leakage Inductance to sec. :	$lsp = 6.3$	[mH]	
Effective Primary Capacitance :	$Cip = 0.75$	[nF]	
Saturation Primary Current :	$2 \cdot Idc = 305.871$	[mA]	
Total Primary DC Resistance :	$Rip = 47.5$	[Ω]	
Total Secondary DC Resistance :	$Ris = 0.07$	[Ω]	
Tubes Plate Resistance :	$rp = 0.48$	[kΩ]	
Insertion Loss :	$Iloss = 0.154$	[dB]	
Q-factor 2-nd order HF roll-of (5) :	$Q = 0.368$	[ ]	
HF roll-off Specific Frequency (5) :	$Fo = 187.199$	[kHz]	
Quality Factor = Lp/Lsp (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) :	$FDF = 4.377$	[ ]	

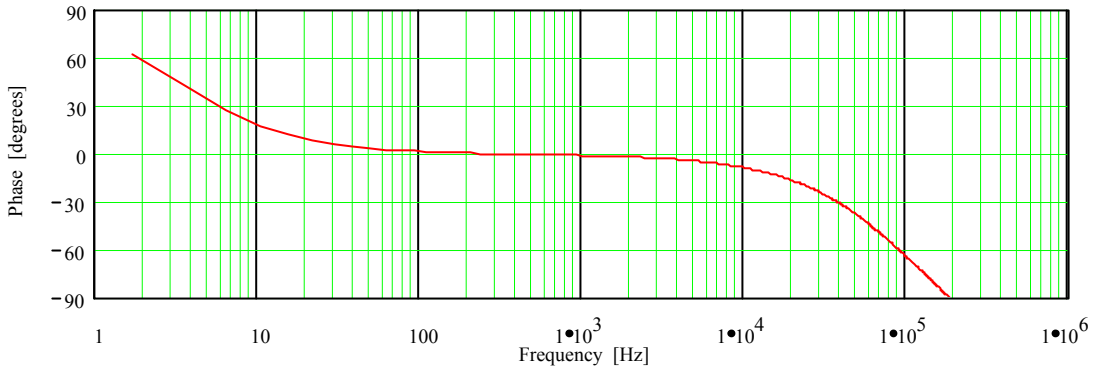
(1): calculated and measured under the conditions of applying 0.5*Idc-sat.
(2): 132 Volt 50 Hz measurement over the total primary winding
(3): calculated and measured at 1 Watt in Rls; ri and Rls are pure Ohmic
(4): defined as FDF = log(fh3/fl3) = number of frequency decades transfered
(5): ir. Menno van der Veen; Theory and Practise of Wide Bandwidth Toroidal Output Transformers, 97-th AES Convention San Francisco, preprint

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