WIDE BANDWIDTH LOW LOSS TOROIDAL SINGLE ENDED OUTPUT TRANSFORMER

 TYPE & APPLICATION
 :
 VDV-3050-SE; 300B & equivalents

 Primary Impedance
 :
 Raa = 5.055 [kW]

 Secondary Impedance
 :
 RIs = 4 [W]

 Turns Ratio Np/Ns
 :
 Ratio = 35.551 []

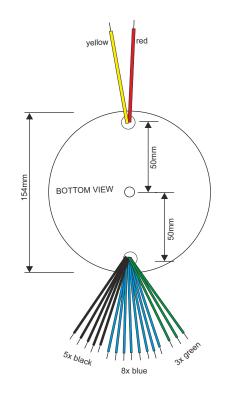
 -.1 dB Frequency Range [Hz] - [kHz]
 :
 flf=12.427 fhf=20.329

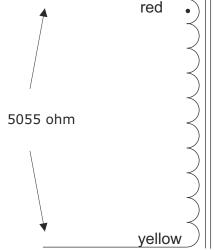
 -1 dB Frequency Range [Hz] - [kHz]
 :
 fl1=5.301 fh1=45.321

 -3 dB Frequency Range [Hz] - [kHz]
 :
 fl3=2.697 fh3=84.048

-3 dB Frequency Range [Hz] - [kHz] 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 $2 \cdot Idc = 143.428$ [mA] Total Primary DC Resistance Rip = 80[W] Total Secondary DC Resistance Ris = 0.1[W] **Tubes Plate Resistance** rp = 0.7[kW] Insertion Loss Iloss = 0.174[dB] Q-factor 2-nd order HF roll-of (5) Q = 0.491[] HF roll-off Specific Frequency (5) Fo = 134.083[kHz] $OF = 4.10^3$ Quality Factor = Lp/Lsp (5) []





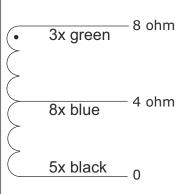


Quality Decade Factor (5)

Tuning Decade Factor (5)

Frequency Decade Factor (4,5)

Tuning Factor (5)



QDF = 3.602

TF = 7.789

TDF = 0.892

FDF = 4.494

[]

[]

[]

[]

13 Watt single ended power Primary impedance 50550hm Power bandwith 20Hz - 84kHz (-3dB)

Height 90 mm
Diameter 154 mm
Weight 4.6kg
All leads solid and approx 200mm long
Fully potted in aluminium black textured shell

AMPLIMO

	Industrieweg 14 NL-7161BX NEEDE	НВ		02-03-2003	
	The Netherlands				
	PO-Box 27				
	NL-7160AA NEEDE				
	The Netherlands				
	Tel.+31 (0)545 28 3456				
	Fax+31 (0)545 28 3457				
info@amplimo.nl http://www.amplimo.nl		©	Copyright Amplimo BV		

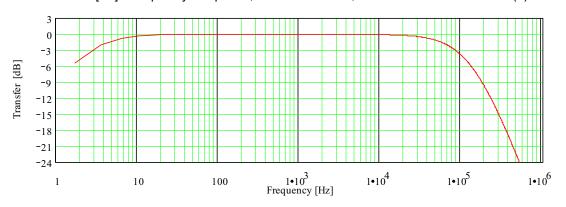
WIDE BANDWITH TOROIDAL
SINGLE ENDED

TUBE OUTPUT TRANSFORMER

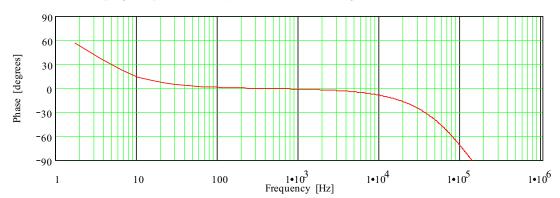
VDV3050SE / PAT-3050-SE

WIDE BANDWIDTH LOW LOSS TOROIDAL SINGLE ENDED OUTPUT TRANSFORMER ${\rm VDV} - 3050 - {\rm SE}$

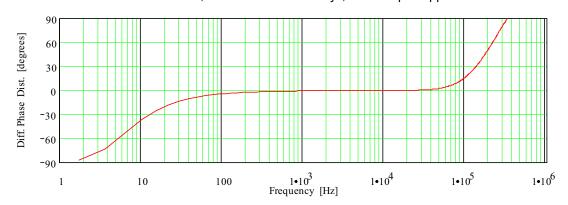
[dB] Frequency Response; Vertical: 3 dB/div; Horizontal: 1 Hz to 1 MHz (3)



[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



Copyright 1999 Menno van der Veen