## SPECIALIST TOROIDAL PUSH-PULL OUTPUT TRANSFORMER



VDV-2100-CFBH-PPS

| : | $\mathrm{Raa}=1.995$ | [k $\Omega$ ] |
| :---: | :---: | :---: |
| : | Rls $=5$ | [ $\Omega$ ] |
| : | Ratio $=19.976$ | [ ] |
| : | tap $=33$ | [\%] |
| : | $\mathrm{cfb}=10$ | [\%] |
| : | $\mathrm{flf}=1.815$ | fhf $=126.37$ |
| : | $\mathrm{fl} 1=0.774$ | fh1 $=222.734$ |
| : | $\mathrm{fl} 3=0.394$ | $\mathrm{fh} 3=332.948$ |
| : | $\mathrm{Pn}=100$ | [W] |
| : | $\mathrm{fu}=28$ | [Hz] |
| : | Lp $=413$ | [H] |
| : | l sp $=0.94$ | [mH] |
| : | cip $=0.434$ | [ nF ] |
| : | Rip $=46.6$ | [ $\Omega$ ] |
| : | Ris $=0.117$ | [ $\Omega$ ] |
| : | $\mathrm{ri}=1$ | [k $\Omega$ ] |
| - | lloss $=0.198$ | [dB] |
| - | $\mathrm{Q}=0.663$ | [ ] |
| - | $\mathrm{Fo}=356.265$ | [kHz] |
| : | QF $=4.394 \times 10^{5}$ | [ ] |
| - | QDF $=5.643$ | [ ] |
| : | TF $=1.924$ | [ ] |
| : | TDF $=0.284$ | [ ] |
| : | FDF $=5.927$ | [ ] |

(1): calculated under the conditions of balancing the DC-currents and the AC-anode voltages of the powertubes driving the transformer
(2): measured at 230 Vrms at 50 Hz over total primary
(3): calculation at 1 Watt in Rls; ri and Rls are pure Ohmic
(4): $\quad$ defined as $F D F=\log (f h 3 / f \mid 3)=$ number of frequency decades transfered
(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 29-08-2011. Final specs can deviate $15 \%$ or improve without notice


