

Summit series type S - 833

single ended output transformer

12000 Ω to 4 and 8 Ω

optimized for 833A,C type power triodes in 150 Watt mode (2000V 160mA condition)

- Hi-grade amorphous dual C-core
- virginal PTFE interlayer dielectric
- vari-lay inter-winding technique
- 8 - 66,000 Hz bandwidth
- 0,22 dB insertion loss

The Summit series " type S-833 " is a single ended output transformer designed around the mighty 833A , 833C triode in its 2KV plate voltage operating conditions offering :

" 150 Watts rms in Class A2 mode "

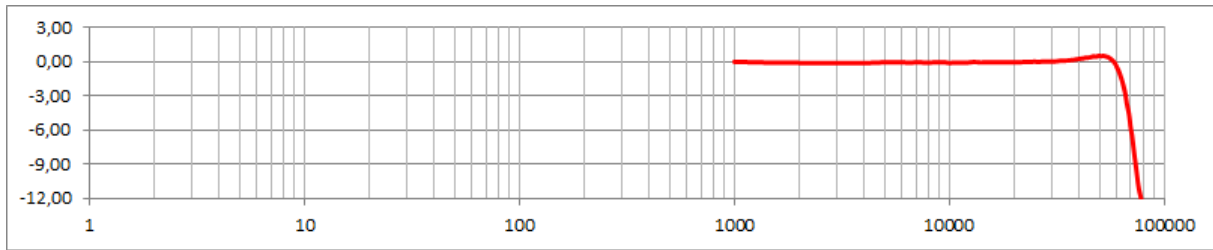
This tube allows to combine single ended operation with high power output. The transformer was optimized for true high voltage operation where the tube comes alive and offers a decent damping factor without resorting to negative feedback and offering a substantial amount of class A1 operation.

This particular tube is used in the famous SH-833 Wavac amplifiers.

E L E C T R I C A L D A T A

Primary impedance	12000 Ω
Secondary load impedance	4 an 8 Ω
Winding ratio (4/8 Ω)	54.77 / 38.73
Bandwidth (-3 dB @ 1W, sec. grounded)	8 - 66,000 Hz
Core saturation	35 Hz @ 150 Wrms
Primary inductance	65 H _y
Leakage inductance	36.6 mH
Shunt capacitance sec. grounded	416 pF
Shunt capacitance sec. floating	146 pF
Primary DC resistance	299 Ω
Sec. DC resistance 4/8 Ohm	0.112 / 0.221 Ω
Insertion loss 4/8 Ohm	0.11 / 0.11 dB

level (dB) vs. frequency (Hz) 4 ohm - grounded secondary



8 Hz -3 dB LF

Mechanical data & electrical connections

CASE-5

[preliminary new case layout datasheet](#)