

Summit series type S - 25

single ended output transformer

5,000 Ω to 4 and 8 Ω

optimized for 845 type power triodes in 15 Watt mode
(750V 80mA condition)

- Hi-grade SiFe grain oriented dual C-core
- virginal PTFE interlayer dielectric
- vari-lay inter-winding technique
- 8 - 134,000 Hz bandwidth
- 0,26 dB insertion loss

The Summit series " type S-25 " is a single ended output transformer designed around the 845 triode in its 750 Volts plate voltage operating conditions offering :

" 15 Watts rms in Class A1 mode "

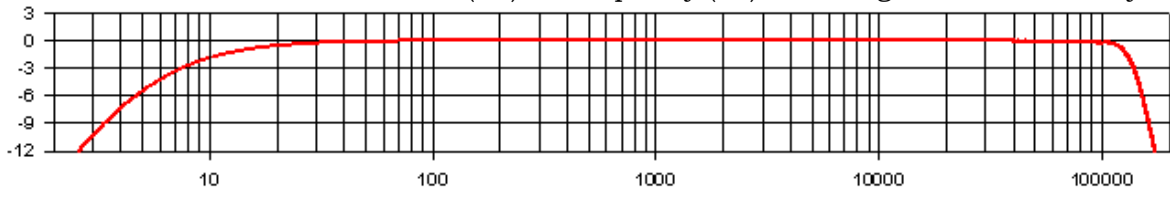
This is about 2 times the power output of a classic 300B design, a welcome feature when mating with somewhat less efficient speaker systems in the 85-90 db/m range

It is as well an attractive challenge for anyone wanting to take a first step into the big transmitting tubes without having to deal with complicated power supply electronics and working voltages over 1,000 Volts.

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

Primary impedance	5,000 Ω
Secondary load impedance	4 an 8 Ω
Winding ratio (4/8 Ω)	35.31 / 24.88
Bandwidth (-3 dB @ 1W, sec. grounded)	8 - 134,000 Hz
Core saturation	22 Hz @ 15W rms
Primary inductance	38 H _y
Leakage inductance	7.7 mH
Shunt capacitance sec. grounded	388 pF
Shunt capacitance sec. floating	197 pF
Primary DC resistance	180 Ω
Sec. DC resistance 4/8 Ohm	0.107 / 0.215 Ω
Insertion loss 4/8 Ohm	0.26 / 0.26 dB

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



level (dB) vs. frequency (Hz) 8 ohm - grounded secondary



Mechanical data & electrical connections

CASE-2

[preliminary new case layout datasheet](#)