



# Summit series type S - 15

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single ended output transformer

6100  $\Omega$  to 4 and 8  $\Omega$

optimized for GM70 type power triodes in 30 Watt mode (1000V 100mA condition)

- Hi-grade SiFe grain oriented dual C-core
- virginal PTFE interlayer dielectric
- vari-lay inter-winding technique
- 7 - 103,000 Hz bandwidth
- 0,22 dB insertion loss

The Summit series " type S-15 " is a single ended output transformer designed around the GM70 triode in its 1000 Volts plate voltage operating conditions offering :

" 30 Watts rms in Class A1 mode "

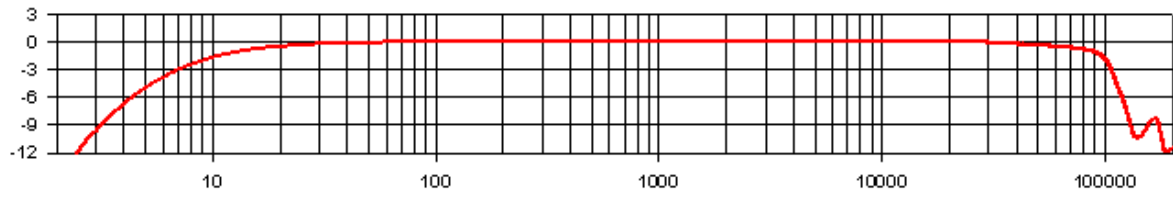
This is about the power output of a quadruple 300B design, meaning that this tube is capable of driving normal efficiency speakers with authority.

The tube owes the midrange of a 300B but with the tonal balance of a 2A3, while bass control is excellent. Take into account the mighty heater requirement of 60 Watts!

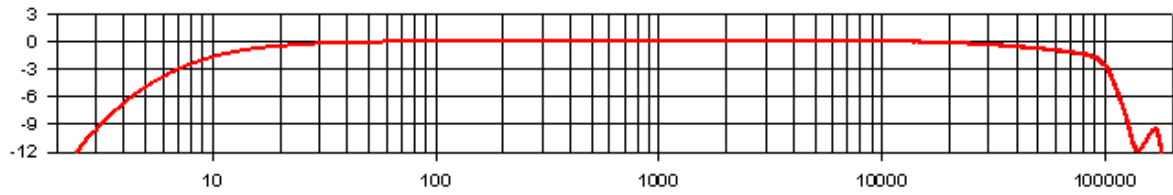
## E L E C T R I C A L D A T A

Primary impedance	6100 $\Omega$
Secondary load impedance	4 an 8 $\Omega$
Winding ratio (4/8 $\Omega$ )	39.05 / 27.56
Bandwidth (-3 dB @ 1W, sec. grounded)	7 - 103,000 Hz
Core saturation	25 Hz @ 30W rms
Primary inductance	48 Hy
Leakage inductance	8.6 mH
Shunt capacitance sec. grounded	467 pF
Shunt capacitance sec. floating	234 pF
Primary DC resistance	188 $\Omega$
Sec. DC resistance 4/8 Ohm	0.082 / 0.167 $\Omega$
Insertion loss 4/8 Ohm	0.22 / 0.22 dB

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



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



### Mechanical data & electrical connections

CASE-3

[preliminary new case layout datasheet](#)