

Turn ratio: 9,35 : 1
Impedance ratio: 87,42 : 1

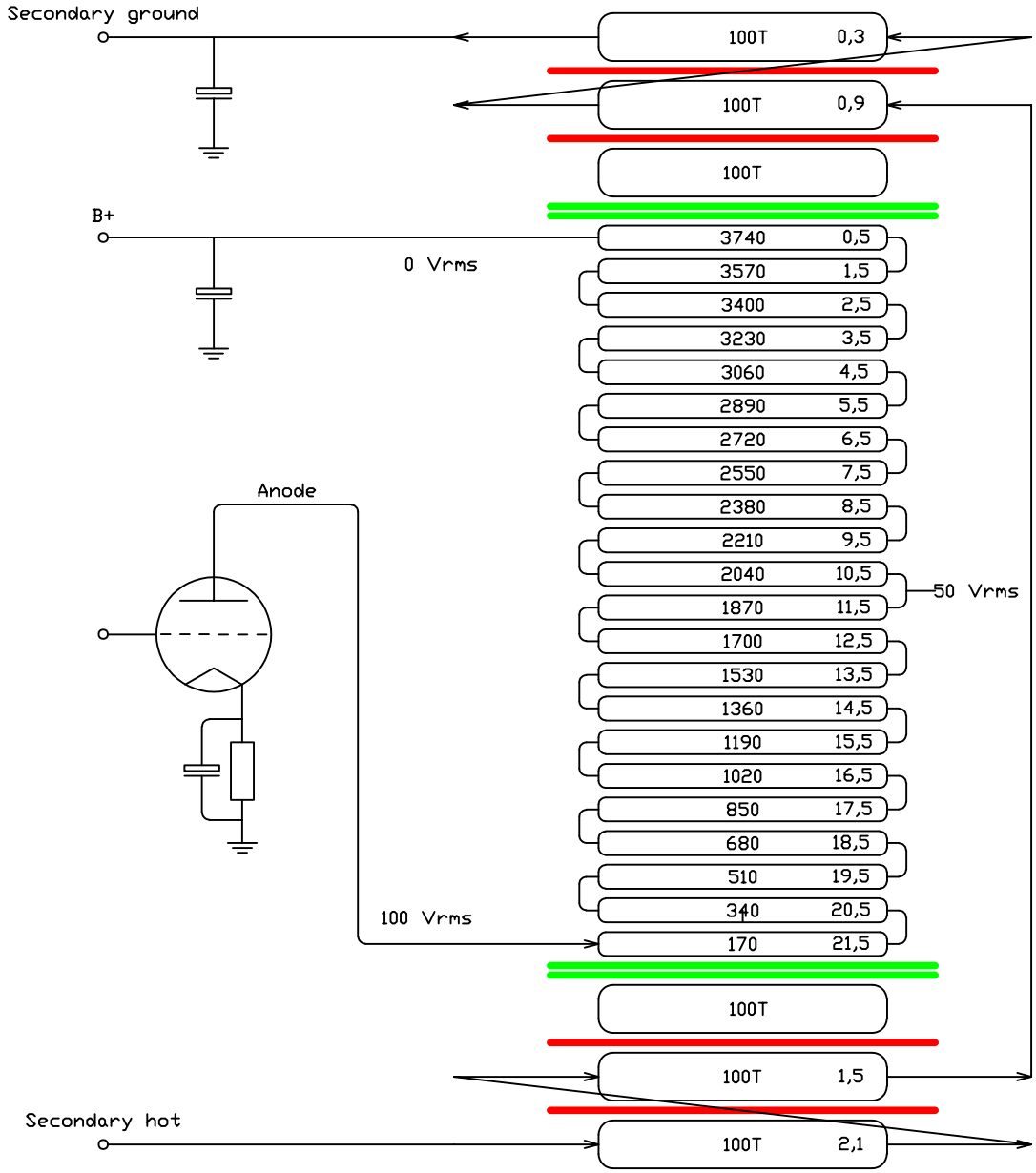
Primary layers: 22
Secondary layers: 4

Hottest secondary
relative potential = Pl/SI
 $= \frac{22}{9} = 2,353$

Secondary increment =
 $2,353/SI = 2,353/4 = 0,589$

Rounded secondary
increment = 0,6

Secondary midpoint = 0,6
 $\times 0,5 = 0,3$



MLT2 = 150mm
Layer length = 41mm
A = 6150mm²
e = 3,5
Cst = 635pF

$Cps2 = \langle \langle 0,5 - 0,9 \rangle / 22 \rangle^2$
 $\times Cst$
 $= 0,00033 \times 635pF$
 $Cps2 = 0,2pF$

MLTa = 134mm
Layer length = 41mm
A = 5494mm²
e = 3,7
Cst = 1800pF

$Cp = 1,33 \times Cst \times \langle Pl - 1 \rangle / Pl^2$
 $Cp = 104pF$

MLT1 = 118mm
Layer length = 41mm
A = 4838mm²
e = 3,5
Cst = 500pF

$Cps1 = \langle \langle 21,5 - 1,5 \rangle / 22 \rangle^2$
 $\times Cst$
 $= 0,82 \times 500pF$
 $Cps1 = 410pF$

Alternate Cp calculation

$Cp = \frac{1}{22^2} \times 1,33 \times Cst \times$
 $22 - 1$
 $Cp = 104pF$

Secondary self
capacitance in series
reflected at the primary:

$Cs = 1,33 \times 1800pF \times$
 $\langle \langle 4 - 1 \rangle / 4^2 \rangle / 2 / 87,42$
 $Cs = 2,56pF$

Secondary self
capacitance in parallel,
reflected at the primary:

$Cs = 1,33 \times 1800pF \times$
 $\langle \langle 2 - 1 \rangle / 2^2 \rangle \times 2 / 87,42$
 $Cs = 13,7pF$