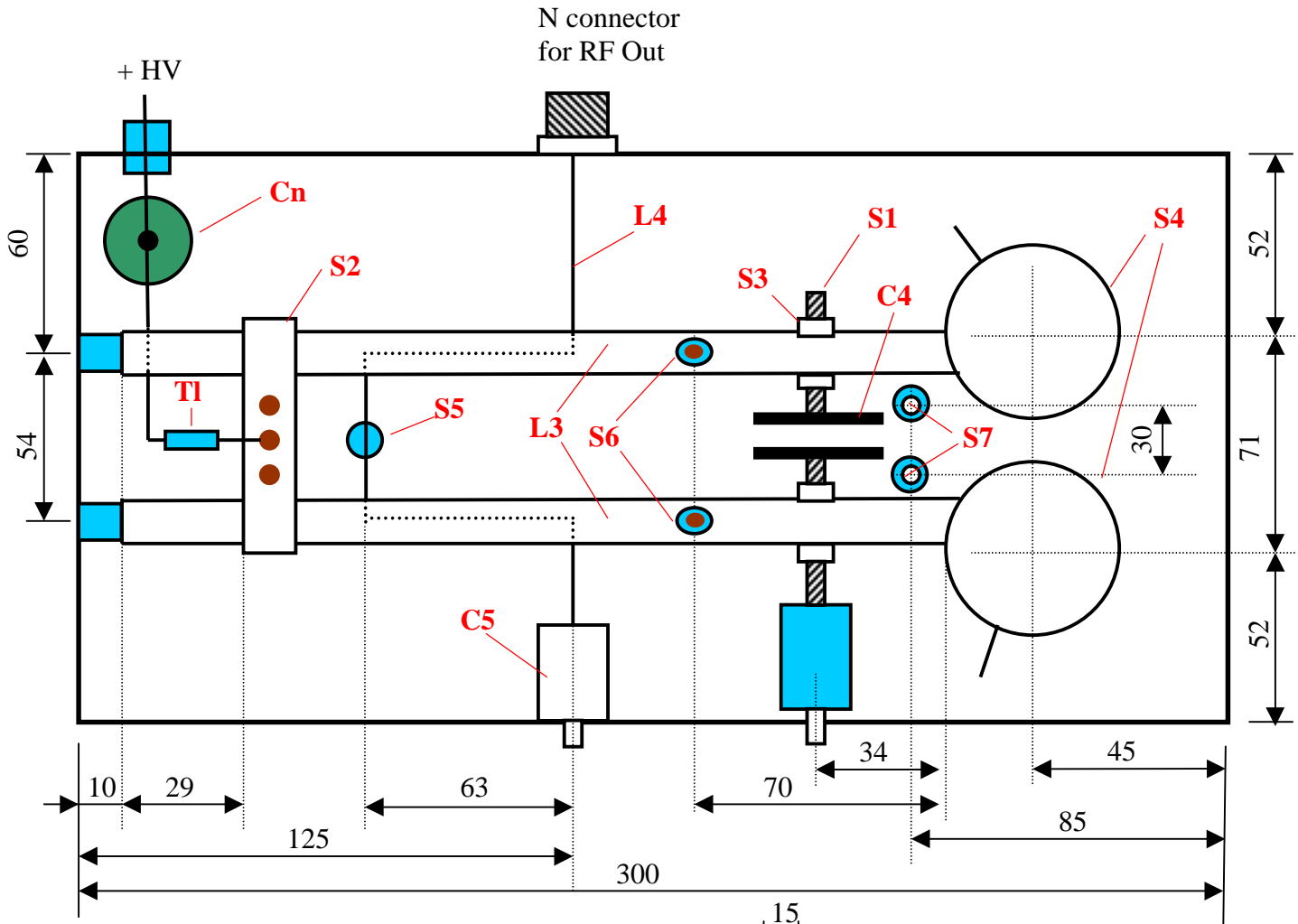


Top view (Output section):



All blue things are from PTFE.

Cn - 1 nF / 5 kV

TI - 20 turns on PTFE rod, \varnothing 8 mm

C4 - 2 x brass disk, \varnothing 44 mm x 2 mm

C5 - 35 pF / 1 kV, see photo

L3 - 2 x Cu tubes \varnothing 14 mm, length 220 mm

L4 - CuAg wire \varnothing 2 mm

S1 - 2 x brass screws M5, soldered to C4

S2 - copper strap, shorting bar

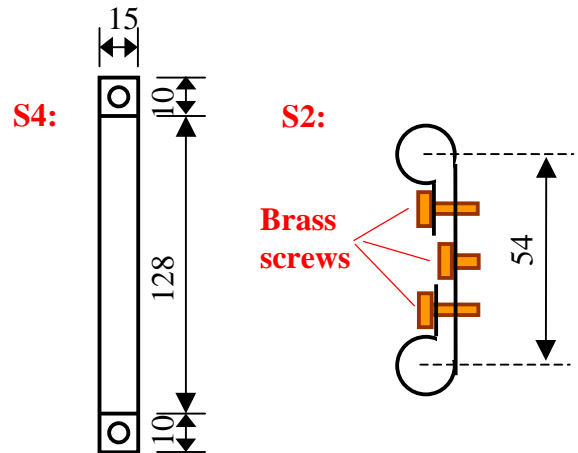
S3 - 4 x M5 brass nuts, soldered to L3

S4 - 2 x clamps made from copper strip around the tubes, soldered directly to L3

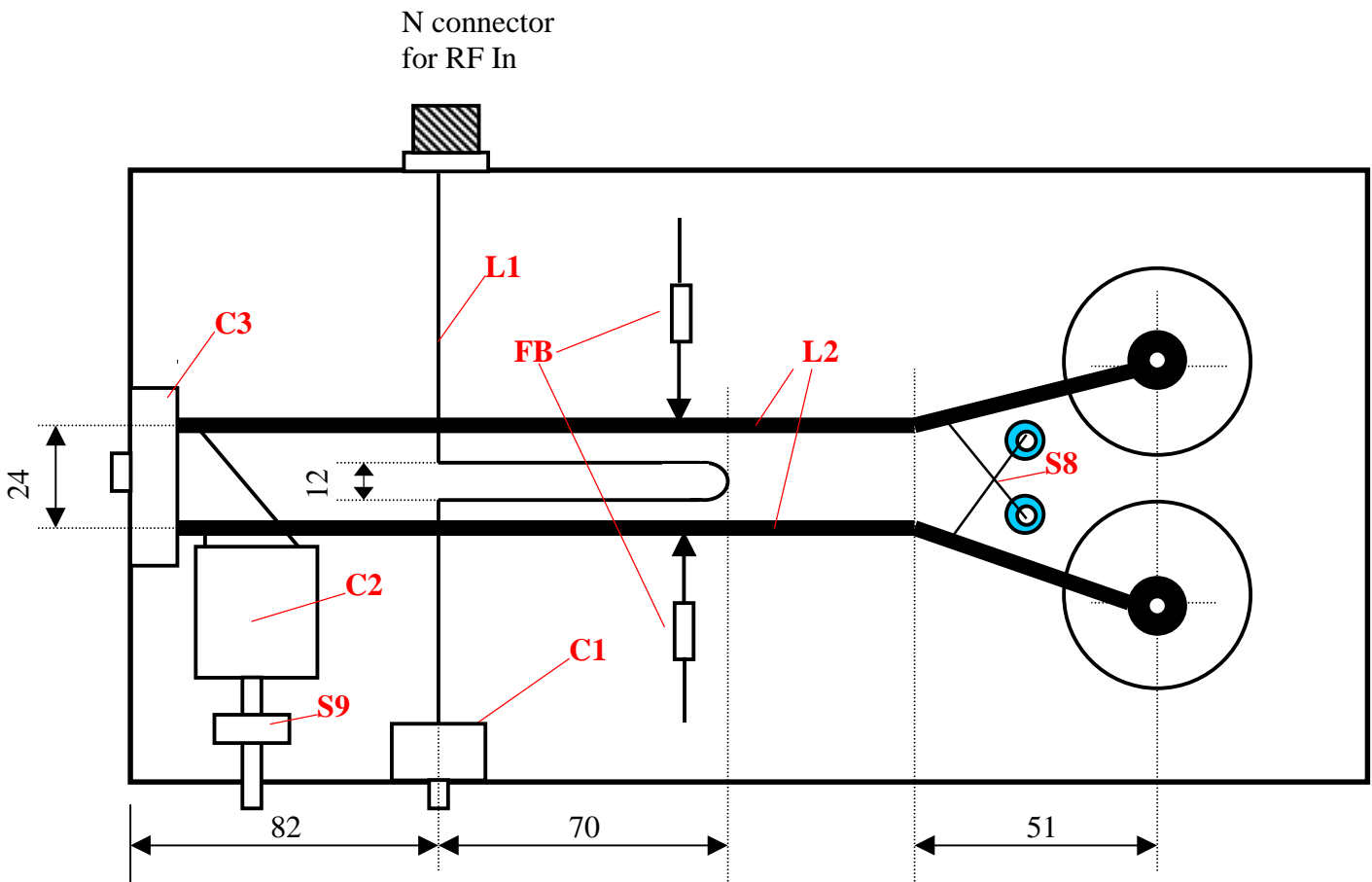
S5 - PTFE rod \varnothing 10 mm, 12 mm high

S6 - 2 x PTFE rod \varnothing 14 mm, 26 mm high

S7 - neutralisation capacitor made from \varnothing 1 mm CuAg soldered to \varnothing 2 mm CuAg coming from input compartment, length about 14 mm straight up



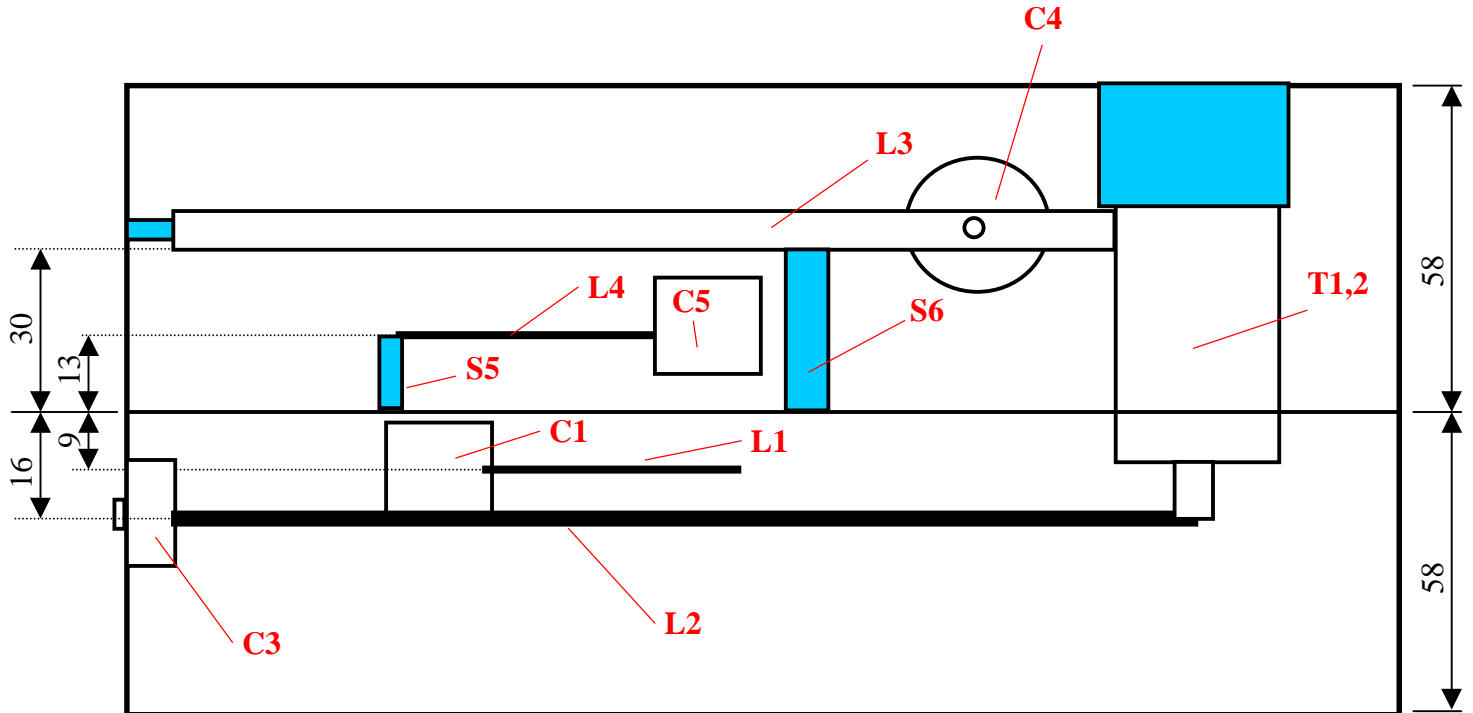
Bottom view (Input section):



- C1 – 25 pF miniature variable
- C2 – dual section 25 pF per section
- C3 – 10 pF dual differential
- FB – VHF ferrite bead connected to mid point of L2
- L1 – CuAg wire \varnothing 2 mm
- L2 – 2 x Cu tube \varnothing 6 mm
- S8 – neutralisation wire from CuAg \varnothing 2 mm
- S9 - isolator

L2 and L3 may be Ag plated, if possible

Front view:



T1,2 – 2 x tube 4CX150A, 4CX250B, 4CX250R, 4CX250F, SRL460, RE025XA

The air outlet is through a PTFE chimney on top of each tube. The chimney has to fit tight on both tube and top cover.

Input and output (anode) compartment are made from 1 mm aluminium sheets. The external dimensions of each compartment are 300 x 175 x 58 mm. Top, bottom and middle layer are also 1 mm aluminium.

These construction drawings were made by Andy, OM1CW.