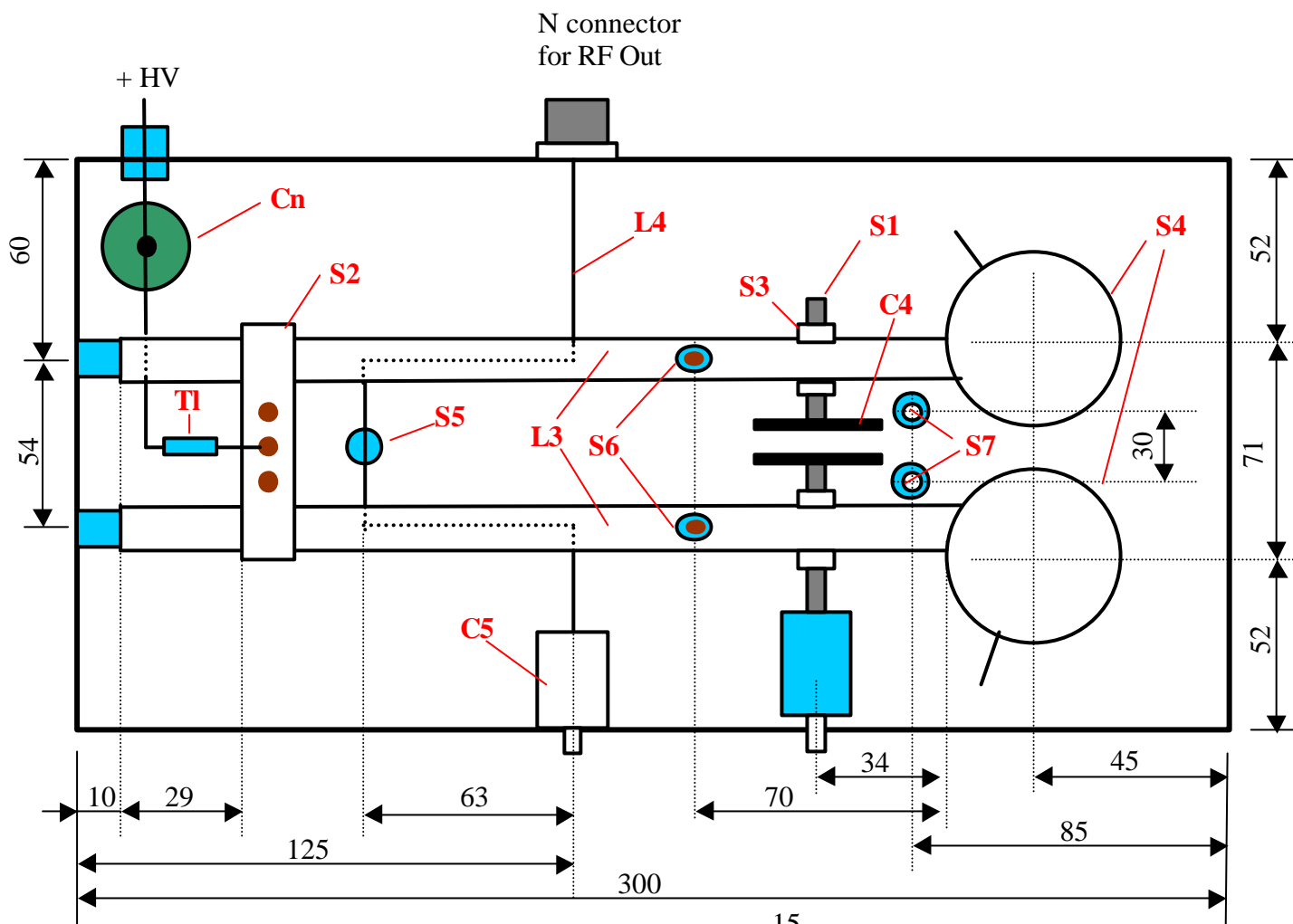


Top view (Output section):



All blue things are from PTFE.

Cn - 1 nF / 5 kV

Tl - 20 turns on PTFE rod, Ø 8 mm

C4 - 2 x brass disk, Ø 44 mm x 2 mm

C5 - 35 pF / 1 kV, see photo

L3 - 2 x Cu tubes Ø 14 mm, length 220 mm

L4 - CuAg wire Ø 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

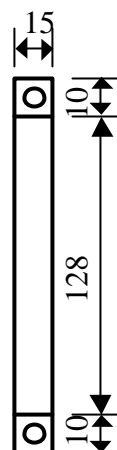
S4 - 2 x clamps made from copper strip around the tubes, soldered directly to L3

S5 - PTFE rod Ø 10 mm, 12 mm high

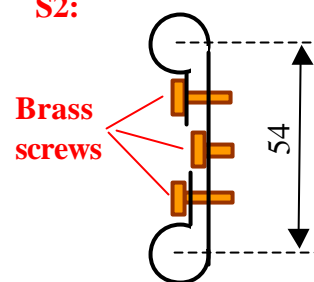
S6 - 2 x PTFE rod Ø 14 mm, 26 mm high

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

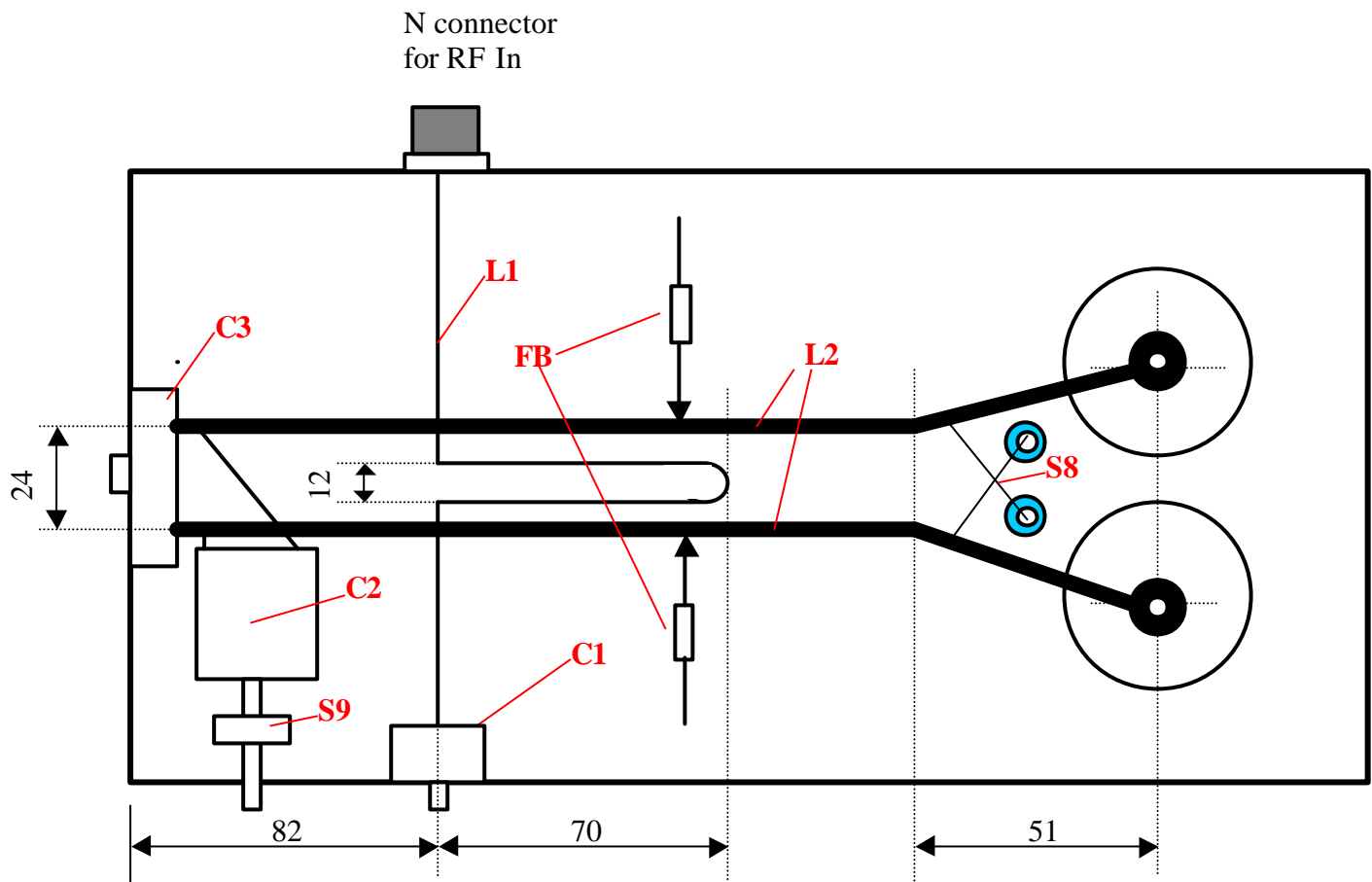
S4:



S2:



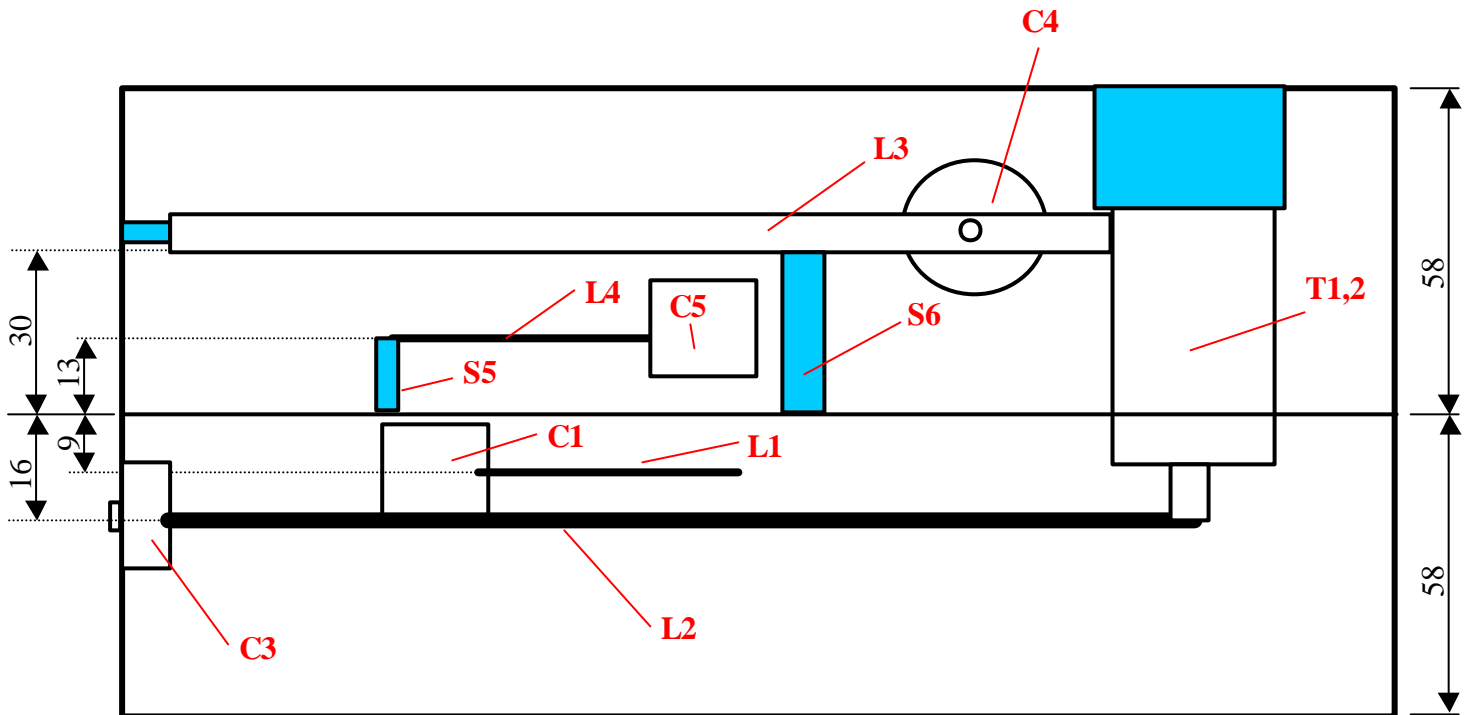
Bottom view (Input section):



- 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 Ø 2 mm
- L2 – 2 x Cu tube Ø 6 mm
- S8 – neutralisation wire from CuAg Ø 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.