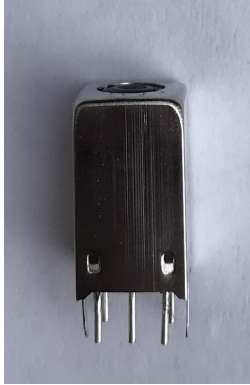


300nH Construction

5th Batch of PCBs



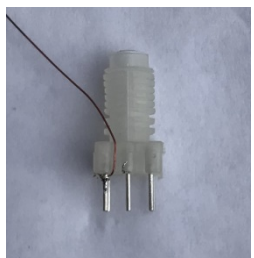
Coil purchased from AliExpress.

K185 adjustable series

If purchased as a blank assembly then no Numbers on can

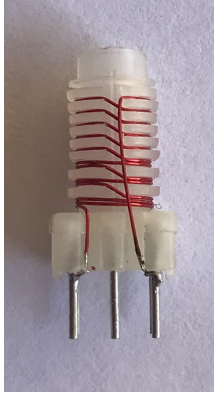


Coil former



Use 34 B&S enamel winding wire (0.20mm)

Start winding on the LHS pin and go CW.



Finish off the winding on the RHS pin

Windings, 3,2,2,1,1,1,1,1.

This coil was changed by removing one winding from top.



From the above photo turn the finished former CCW 90°


Place the PLASTIC cap onto former

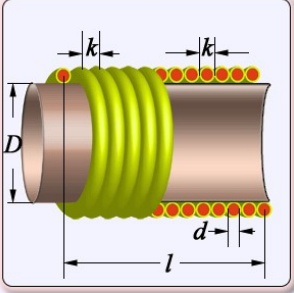
Slide the SHIELD can onto the assembly in the position shown



The finished coil assembled

Calculate inductance





ENTER THE INPUT DATA:

Select units: mm/cm

N

=

13

- Number of turns

D

=

4

mm

- Diameter of coil-former

l

=

6.6

mm

- Length of winding

Calculate

RESULT:

L

=

0.365

µH

- Inductance

Clear all

Now to fit the coil onto the board,

8K(K185)size chart

