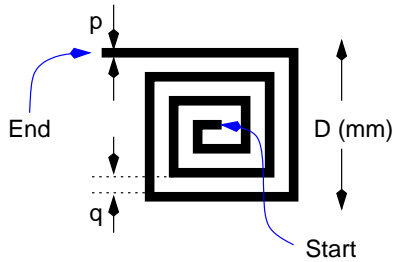# Equations for Printed Inductors

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My reference for this is *Récepteurs ondes courtes* by Philippe Bajcik, published in 1992 by ETSF, Paris.

With these dimensions:

We have, with L in μH and all dimensions in millimeters:

$$D = \left(\frac{L}{B}\right)^{0.375}$$

$$B = 2.7 \times 10^{-9} \left(\frac{1}{1 + q/p}\right)^{5/3} \left(\frac{1}{p}\right)^{5/3}$$

The equations are a little obtuse, but that's probably why they are not more widely published!