

Toroid inductance calculator

(by K1QW)

This program calculates inductance value and winding information for a single layer inductor wound on either a powdered iron or ferrite toroidal core. To use program, follow these steps;

1. Select metric (mm) or English (inches) unit of length.
2. Select type of core material (powdered iron or ferrite).
3. Use the drop-down menus to select from industry standard designations for a specific core size and material
4. In the frame labeled “calculate” enter a target inductance value and/or number of turns
5. Click on the “solve for.” button for the parameter you want.
6. The program will display the desired result in the appropriate text box.

The maximum size of wire that can be accommodated in the selected core is displayed, as well as the required total length of wire (not including any allowance for external leads) core dimensions are also shown, analog code information and suggested frequency range.

NOTE: For more information on individual items, click on the question mark (?) in the title bar and then on an item in the dialog box.