



Effective Permeability of Ferrite Rods

The following figure illustrates a family of curves showing the value of effective permeability of a ferrite rod as a function of its length to diameter ratio and its material permeability. It demonstrates that, in general, a great difference exists between

the material permeability and the effective permeability of the rod. It also demonstrates that, in some instances, the mechanical dimensions of a rod have a greater impact on its effective permeability than its material permeability does.

**Rod Permeability vs Length / Diameter Ratio
with Material Permeability as Parameter**

