

# Ferrites and accessories

ETD cores
General information

Date: October 2022

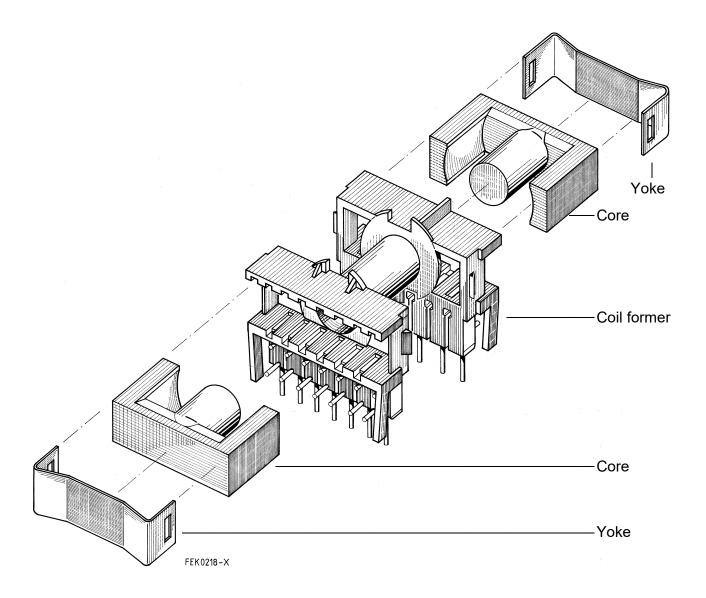
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## ETD cores

### **General information**

## Example of an assembly set ETD 34





#### **ETD** cores

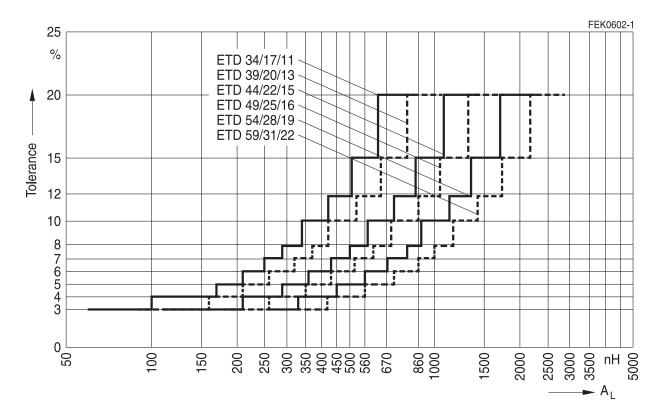
#### **General information**

#### **Tolerances for ETD cores**

The  $A_L$  value tolerances for ETD cores have consequently been defined with consideration of optimized process parameters for all materials with an initial permeability  $\mu_i$  in the region of 2200 to 10000 as a step function (see figure below).

The "quantized"  $A_L$  step values should preferably be used. They are still available in their respective lower tolerance ranges. Thus a tolerance of ±10% can be determined for a ETD 54/28/19 made of N87 material for an  $A_L$  value of 1000 nH.

With this type of tolerance definition, TDK Electronics has defined standard  $A_L$  values and the associated tolerances for the first time. Based on initial permeability tolerance can be slightly lower or higher.





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Release 2022-07