



# **Ferrites and accessories**

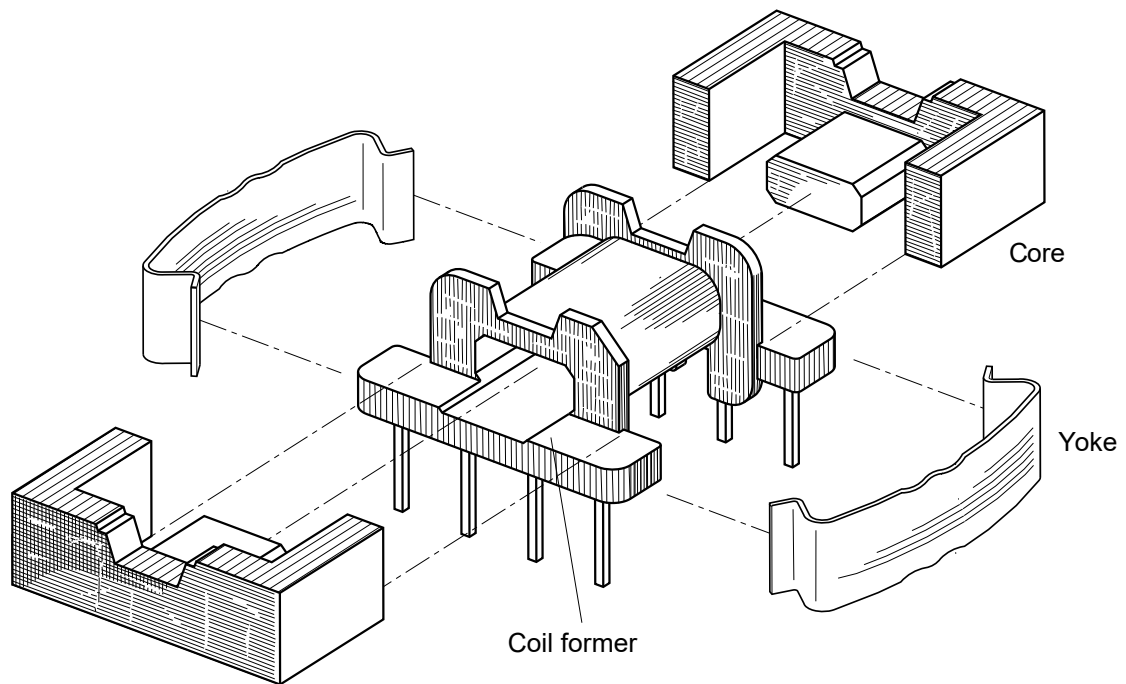
EFD cores  
General information

Date:                      October 2022

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Example of an assembly set EFD 30/15/9



FEK0270-A-E

## EFD cores

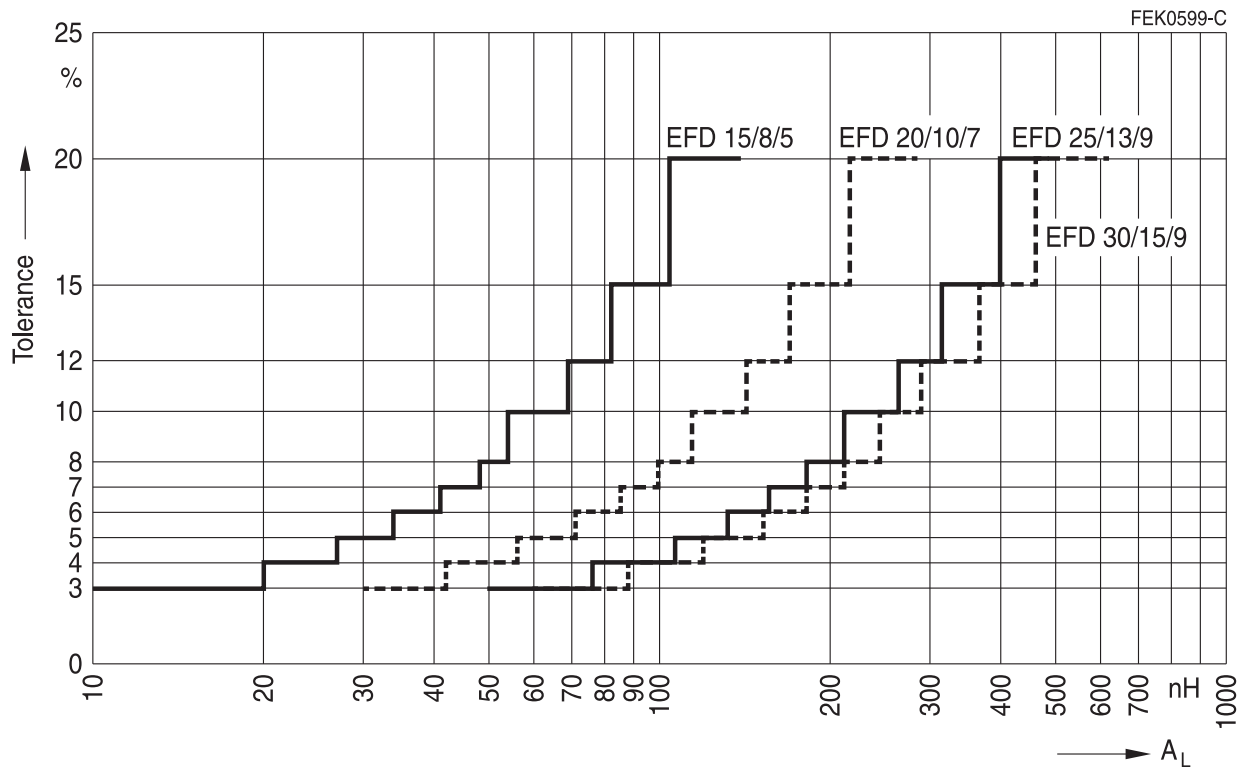
### General information

#### Tolerances for EFD cores

The  $A_L$  value tolerances for EFD 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  $\pm 10$  can be determined for a EFD 30/15/9 made of N87 material for an  $A_L$  value of 250 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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