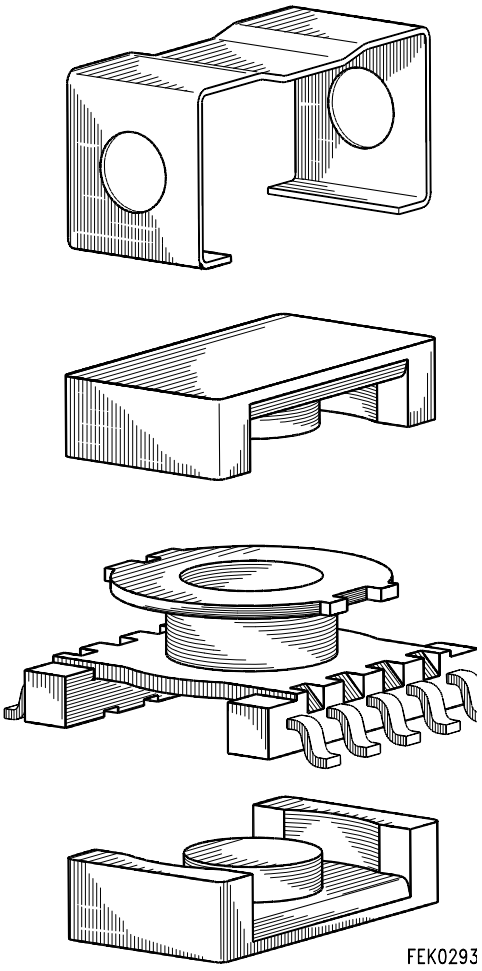
Ferrites and accessories

ER planar cores
General information

Date: October 2022

Example of an assembly set ER 11/5

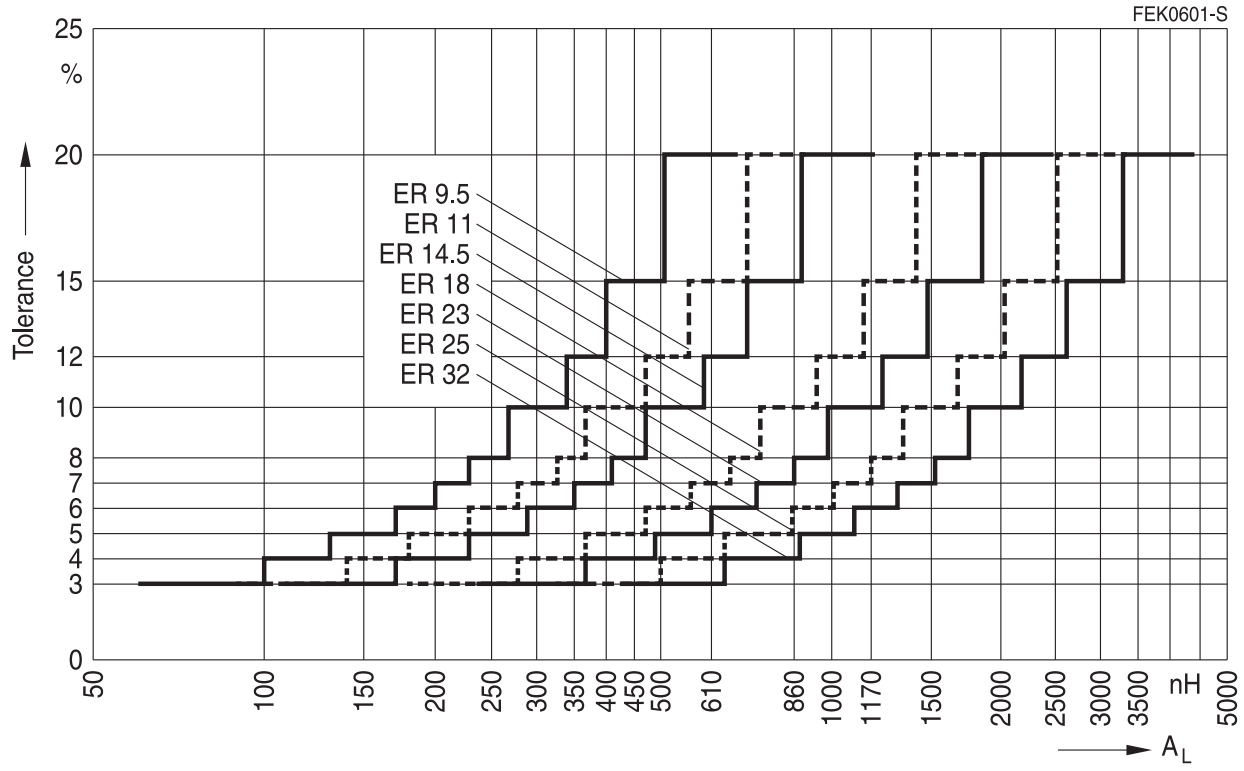


Tolerances for ER cores

The A_L value tolerances for ER cores have consequently been defined with consideration of optimized process parameters for all materials with an initial permeability μ_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 ±3% can be determined for a ER 14.5 made of N87 material for an A_L value of 130 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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