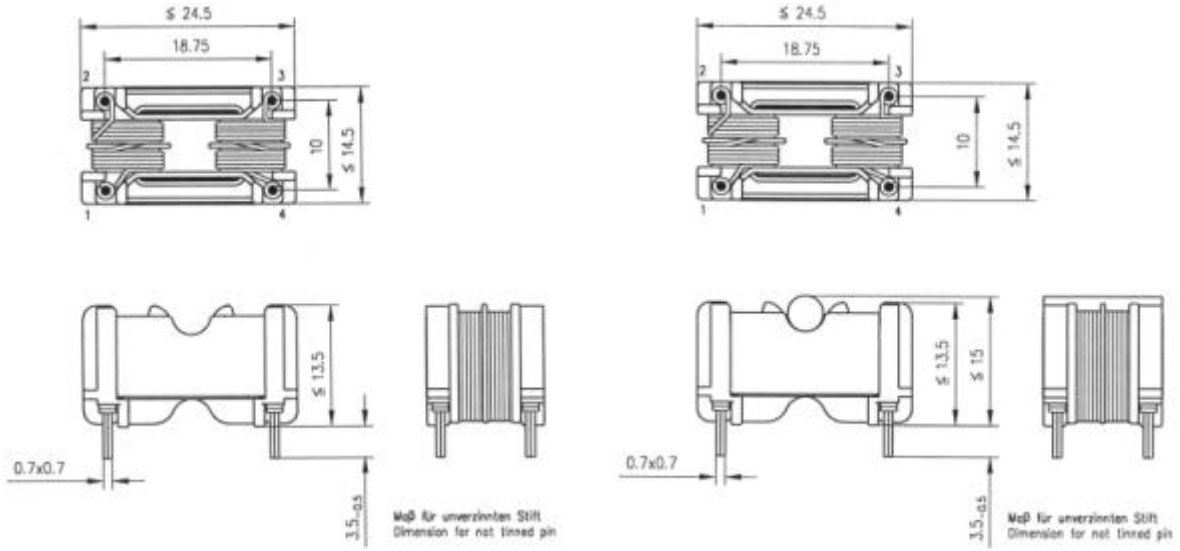
Tecnical informationen

EMI Chokes RK17 and RK17S



Build up:

- Bobbin with four chambers
- Closed core shape
- According to VDE 0565/2
- Useable in devices according to
  VDE 0805, EN 60950
  VDE 0860, EN 60065
  EN 61046

Advantages:

- High leakage inductance to reduce the symetrical noise suppresion
- full efficiency of the permeability because of the closed core shape
- low capacity winding design due to four chambers bobbin
- very flat
- low cost due to automated mass production

- Inductivity drop (current compensated) ≤ 15 % at DC Current load I_N
- tested at 25°C

RK 17

Inductivity per winding L_N in mH +50-30%	Max. current I_N in A	DC-resistance per winding R_{Co} in Ohm
3,3	1,5	≤ 0,2
6,8	1,2	≤ 0,3
10	0.9	≤ 0,55
15	0,8	≤ 0,7
27	0,5	≤ 1,45
39	0,45	≤ 2,55
47	0,4	≤ 2,9

RK17S

Inductivity per winding L_N in mH +50-30%	Max. current I_N in A	DC-resistance per winding R_{Co} in Ohm
3,3	1,0	≤ 0,2
6,8	0,7	≤ 0,3
10	0.55	≤ 0,55
15	0,45	≤ 0,7
27	0,35	≤ 1,45
39	0,3	≤ 2,55
47	0,25	≤ 2,9

<u>Frame core:</u>

- 202 14 XXX 00 (XXX=material)

A_L-Values: Fi 324 1290 nH +-30%
Fi 340 2410 nH +-25%
Fi 360 3360 nH +-25%

<u>Rod Core:</u>

- 4x13 – 214 29 324 00

<u>formular</u>

RK17 - $L_{leakage} = A_L \times N^2$ (A_L = 63 nH)
RK17S - $L_{leakage} = (A_L \times N^2) \times {}^{*}1{,}5$ (* adjustable with the airgap)
R_{th} = 50
ΔT = $R_{th} \times P_V$
P_V = $(R_{W1} + R_{W2}) \times I^2$