

- For miniature transformers, e.g. DC/DC converters for surface mounting
- Available with SMD coil former
- E cores are supplied as single units

Magnetic characteristics (per set)

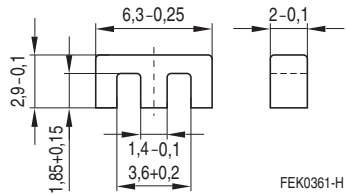
$$\Sigma l/A = 3,7 \text{ mm}^{-1}$$

$$l_e = 12,2 \text{ mm}$$

$$A_e = 3,3 \text{ mm}^2$$

$$A_{\min} = 2,6 \text{ mm}^2$$

$$V_e = 40,3 \text{ mm}^3$$



FEK0361-H

Approx. weight 0,12 g/set

| Material | A_L value nH | μ_e | $A_{L1\min}$ mH | Ordering code |
|----------|-------------------|---------|--------------------|---------------|
| N30 | 700 + 40/- 30 % | 2059 | — | B66300-G-X130 |
| T38 | 1700 + 40/- 30 % | 4990 | — | B66300-G-X138 |
| N87 | 380 + 30/- 20 % | 1120 | 300 | B66300-G-X187 |

 The A_L value in the table applies to a core set comprising two ungapped cores.



SMD coil former with gullwing terminals

Material: GFR liquid crystal polymer (UL 94 V-0, insulation class to IEC 60085: F \triangleq max. operating temperature 155 °C), color code black
 Solderability: to IEC 60068-2-20, test Ta, method 1 (aging 3): 350 °C, 1 s
 Resistance to soldering heat: to IEC 60068-2-20, test Tb, method 1B: 350 °C, 3,5 s
 permissible soldering temperature for wire-wrap connection on coil former: 400 °C, 1 s
 Winding: see "Processing Notes", page 160

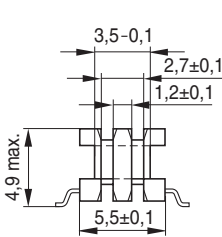
Plastic cover cap

Used to protect the transformer against external influences, for stamping and for improved processing on assembly machines

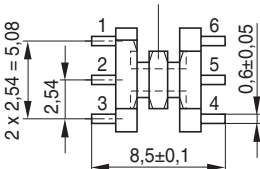
Material: see coil former, color code white

| Coil former | | | | | Ordering code |
|-------------------|--------------------------|-------------|----------------------------|-----------|------------------------------------|
| Sections | A_N mm ² | l_N mm | A_R value $\mu\Omega$ | Terminals | |
| 1 | 1,62 | 12,8 | 272 | 4 6 | B66301-B1004-T1 B66301-B1006-T1 |
| 2 | 0,9 | 12,8 | 490 | 4 6 | B66301-B1004-T2 B66301-B1006-T2 |
| Plastic cover cap | | | | | B66301-C2000 |

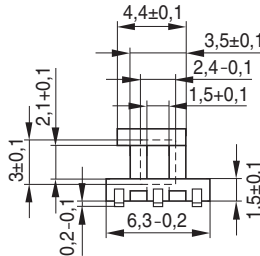
Coil former



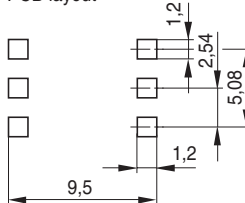
Omitted in 1-section version



Terminals 2 and 5 are omitted in 4-terminal version

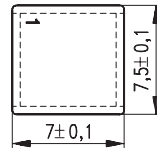


Recommended PCB layout



FEK0421-U

Plastic cover cap



FEK0287-5

Herausgegeben von EPCOS AG

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