

- In accordance with IEC 61246
- 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)

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

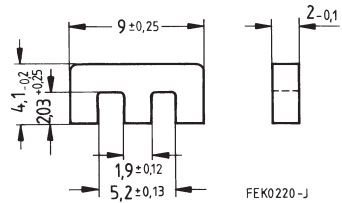
$$l_e = 15,5 \text{ mm}$$

$$A_e = 5 \text{ mm}^2$$

$$A_{\min} = 3,6 \text{ mm}^2$$

$$V_e = 78 \text{ mm}^3$$

**Approx. weight** 0,50 g/set



Material	$A_L$ value nH	$\mu_e$	$A_{L1\min}$ nH	$P_V$ W/set	Ordering code
N30	1000 + 30/- 20 %	2460			B66302-G-X130
T38	2100 + 40/- 30 %	5170			B66302-G-X138
N87	550 + 30/- 20 %	1350	400	< 0,035 (200 mT, 100 kHz, 100 °C)	B66302-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

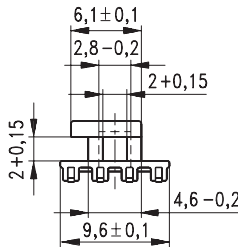
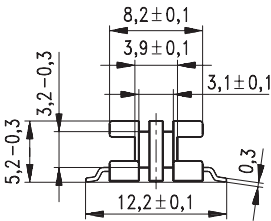
**Plastic cover cap**

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

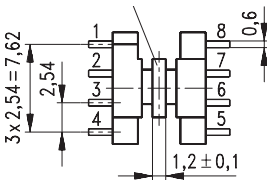
Material: GFR polyamide (UL 94 V-0, insulation class to IEC 60085: F  $\triangleq$  max. operating temperature 155 °C), color code white

Sections	A <sub>N</sub> mm <sup>2</sup>	l <sub>N</sub> mm	A <sub>R</sub> value μΩ	Terminals	Ordering code
1	2,7	14,9	190	8	B66302-D1008-T1
2	1,7	14,9	302	8	B66302-D1008-T2
Plastic cover cap					B66302-A2000

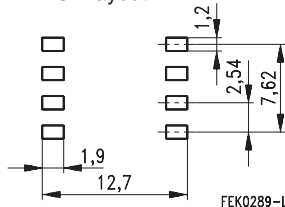
**Coil former**



Omitted in 1-section version

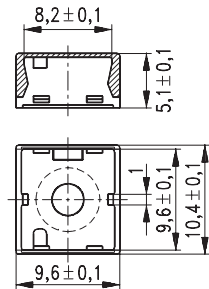


Recommended PCB layout



FEK0289-L

**Plastic cover cap**



FEK0290-P

**Herausgegeben von EPCOS AG**

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