

- In accordance with IEC 61596
- For transformers featuring high inductance and low overall height
- For power applications
- EP cores are supplied in sets

Magnetic characteristics (per set)

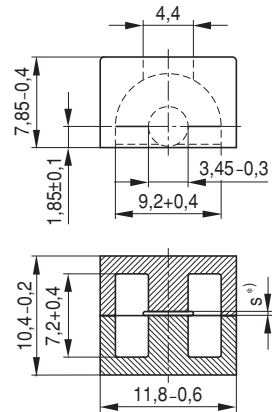
$$\Sigma l/A = 1,7 \text{ mm}^{-1}$$

$$l_e = 19,2 \text{ mm}$$

$$A_e = 11,3 \text{ mm}^2$$

$$A_{\min} = 8,5 \text{ mm}^2$$

$$V_e = 217 \text{ mm}^3$$

Approx. weight 2,8 g/set

^{*)} gapped (one-sided)

FEP0010-A

Gapped

Material	A _L value nH	s approx. mm	μ _e	Ordering code
T38	63 ± 3 %	0,22	87	B65841-A63-A38
	100 ± 3 %	0,14	135	B65841-A100-A38
	160 ± 5 %	0,09	216	B65841-A160-J38
	200 ± 6 %	0,07	270	B65841-A200-C38
	250 ± 7 %	0,05	338	B65841-A250-E38
T57 ¹⁾	63 ± 3 %	0,22	87	B65841-A63-A57
	100 ± 3 %	0,14	135	B65841-A100-A57
	160 ± 5 %	0,09	216	B65841-A160-J57
	200 ± 6 %	0,07	270	B65841-A200-C57
	250 ± 7 %	0,05	338	B65841-A250-E57
N87	63 ± 3 %	0,22	87	B65841-A63-A87
	100 ± 3 %	0,13	135	B65841-A100-A87
	160 ± 5 %	0,08	216	B65841-A160-J87
	200 ± 6 %	0,06	270	B65841-A200-C87
	250 ± 7 %	0,05	338	B65841-A250-E87

1) Preliminary data

Ungapped

Material	A_L value nH	μ_e	A_{L1min} nH	P_V W/set	Ordering code
N30	2000 + 30/- 20 %	2700			B65841-A-R30
T57 ¹⁾	1600 + 30/- 20 %	2160			B65841-A-R57
T65	2900 + 30/- 20 %	3920			B65841-A-R65
T38	4800 + 40/- 30 %	6190			B65841-A-Y38
T42	6000 + 40/- 30 %	8000			B65841-A-Y42
N87	1100 + 30/- 20 %	1480	650	< 0,1 (200 mT, 100 kHz, 100 °C)	B65841-A-R87

1) Preliminary data

Coil former, pins squared

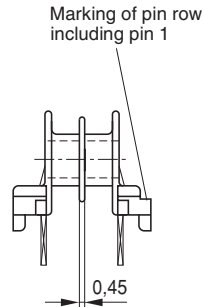
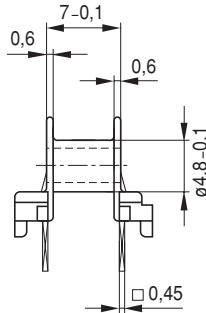
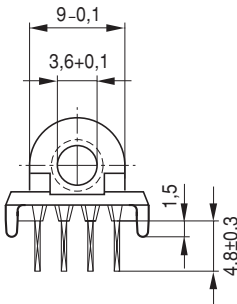
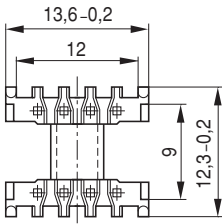
Material: GFR thermosetting plastic; UL 94 V-0, insulation class to IEC 60085:
 B65842-C: F \triangle max. operating temperature 155 °C; color code green
 B65842-W: H \triangle max. operating temperature 180 °C; color code black

Solderability: to IEC 60068-2-20, test Ta, method 1 (aging 3): 235 °C, 2 s

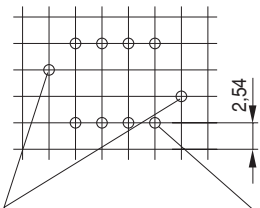
Resistance to soldering heat: to IEC 68-2-20, test Tb, method 1B: 350 °C, 3,5 s

Winding: see "Processing Notes", page 156

Sections	A_N mm ²	l_N mm	A_R value $\mu\Omega$	Terminals	Ordering code
1	12,1	21,5	61,3	8	B65842-C1008-D1 B65842-W1008-D1
2	11,6	21,5	63,7	8	B65842-C1008-D2



FEP0011-S



Hole arrangement
View in mounting direction

Ground \varnothing 1,3 + 0,2

\varnothing 1+0,2

Mounting assembly

The set comprises a yoke and a clamp

Yoke

Made of nickel silver (0,4 mm) with ground terminal (tinned)

Clamp

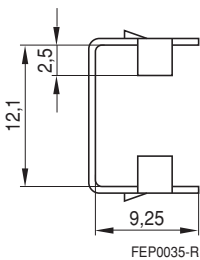
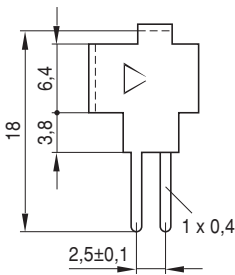
Spring clamp, made of nickel silver (0,3 mm)

Cap yoke

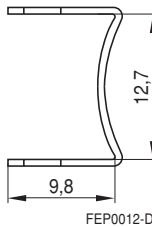
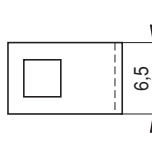
With ground terminal, made of stainless spring steel (tinned), 0,25 mm thick

	Ordering code
Complete mounting assembly	B65842-A2000
Cap yoke (only for 1-section coil former)	B65842-C2000

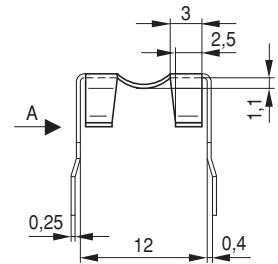
Yoke



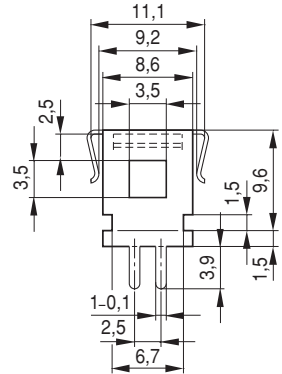
Clamp



Cap yoke



Ansicht A



FEP0013-F

Herausgegeben von EPCOS AG

Marketing Kommunikation, Postfach 80 17 09, 81617 München, DEUTSCHLAND

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