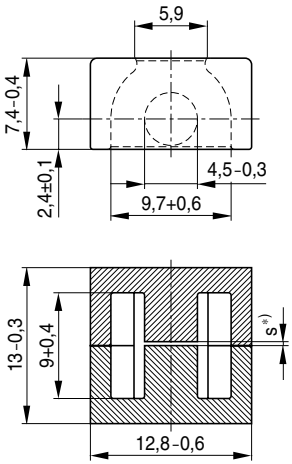
EPO 13

Core B65843

- Recommended for xDSL applications with transformer height constraints
- Low-profile version of EP13 (1,6 mm lower than EP13)
- Distortion performance close to EP13
- Fully compatible with EP13 coils
- EPO cores are supplied in sets



*) gapped (one-sided)

FEP0025-L

Magnetic characteristics (per set)

$\Sigma l/A$ = 1,34 mm^{-1}
l_e = 25,8 mm
A_e = 19,3 mm^2
A_{min} = 14,9 mm^2
V_e = 498 mm^3

Approx. weight 3 g/set

Gapped

Material	A_L value nH	s approx. mm	μ_e	Ordering code
T38[1)]	63 ±3 %	0,38	67	B65843-P63-A38
	100 ±3 %	0,24	106	B65843-P100-A38
	160 ±4 %	0,15	170	B65843-P160-B38
	200 ±4 %	0,12	213	B65843-P200-B38
	250 ±5 %	0,09	266	B65843-P250-J38
	315 ±6 %	0,07	335	B65843-P315-C38
	400 ±7 %	0,06	426	B65843-P400-E38
T57[1)]	63 ±3 %	0,38	67	B65843-P63-A57
	100 ±3 %	0,24	106	B65843-P100-A57
	160 ±4 %	0,15	170	B65843-P160-B57
	200 ±4 %	0,12	213	B65843-P200-B57
	250 ±5 %	0,09	266	B65843-P250-J57
	315 ±6 %	0,07	335	B65843-P315-C57
	400 ±7 %	0,06	426	B65843-P400-E57

Ungapped

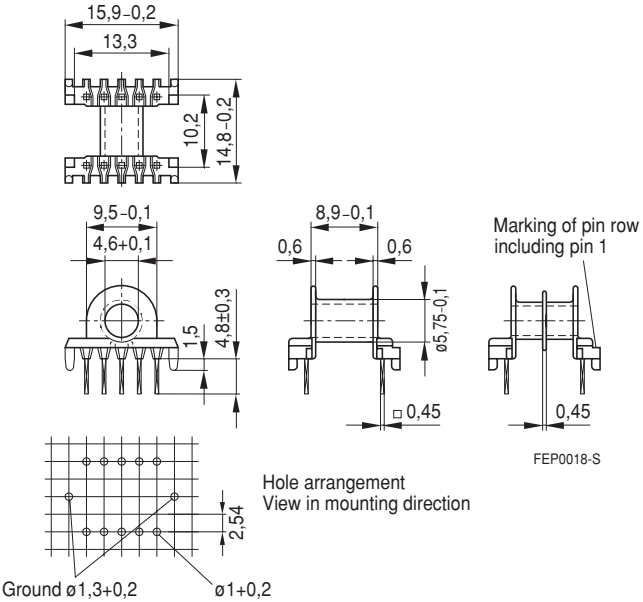
Material	A_L value nH	μ_e	Ordering code
T57[1)]	2400 + 30/– 20 %	2470	B65843-P-R57
T38[1)]	6600 + 40/– 30 %	6910	B65843-P-Y38

1) Preliminary data

Coil former, pins squared

Material: GFR thermosetting plastic; UL 94 V-0, insulation class to IEC 60085:
B65844-C: F ≙ max. operating temperature 155 °C; color code green
B65844-W: H ≙ 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 60068-2-20, test Tb, method 1B: 350 °C, 3,5 s
Winding: see *"Processing Notes"*, page 156

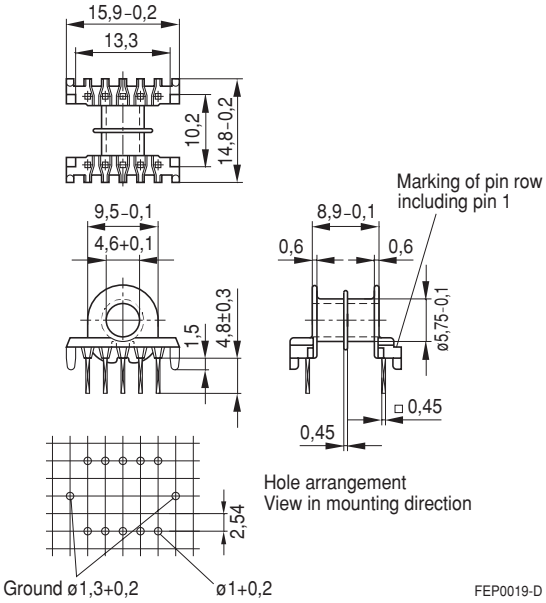
Sections	A_N mm²	l_N mm	A_R value μΩ	Terminals	Ordering code
1	14,3	23,8	57,1	10	B65844-W1010-D1
2	13,9	23,8	58,9	10	B65844-C1010-D2



Coil former with closed center flange for high-voltage applications

Material: GFR thermosetting plastic (UL 94 V-0, insulation class to IEC 60085: H ≙ 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 60068-2-20, test Tb, method 1B: 350 °C, 3,5 s
Winding: see *"Processing Notes"*, page 156
Squared pins

Sections	A_N mm²	l_N mm	A_R value μΩ	Terminals	Ordering code
2	13,9	23,8	58,9	10	B65844-X1010-D2

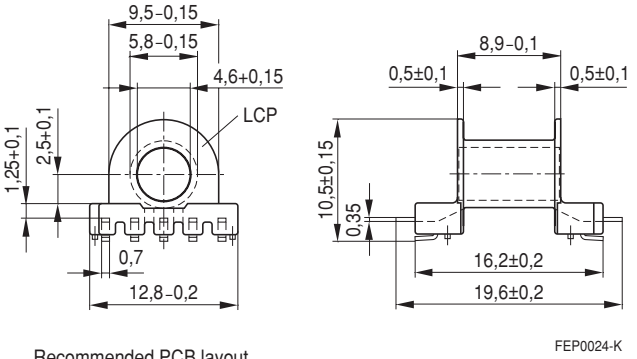


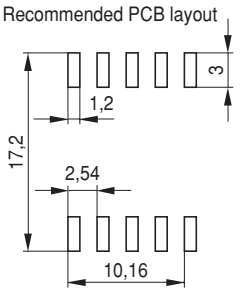
SMD

SMD coil former with U terminals

Material: GFR liquid crystal polymer (UL 94 V-0, insulation class to IEC 60085: F ≙ max. operating temperature 155 °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 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

Sections	A_N mm²	l_N mm	A_R value μΩ	Terminals	Ordering code
1	14,1	23,8	58,2	10	B65844-F1110-T1





Herausgegeben von EPCOS AG
Marketing Kommunikation, Postfach 80 17 09, 81617 München, DEUTSCHLAND

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Published by EPCOS AG
Marketing Communications, P.O. Box 80 17 09, 81617 Munich, GERMANY

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