

PM/P/P Cores Halves/EP/TT/PR Cores

Series/Type: **P 9 x 5**

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B65522A50000000		2004-10-18	2005-03-31	2005-09-30
B65518C3000X101	B65518C3000X001	2004-01-23		
B65517D0000R026	B65517D0000R048	2002-08-02	2002-12-31	2003-03-31

For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of our worldwide sales network are presented at www.epcos.com/sales.

P 9 × 5

Core

B65517

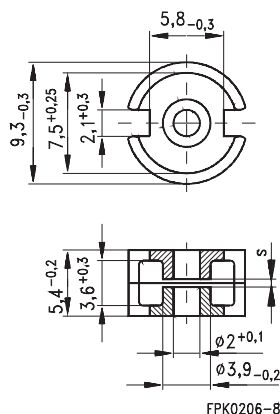
- In accordance with IEC 60133
- Pot cores are supplied in sets

Magnetic characteristics (per set)

	with center hole	without center hole	
$\Sigma l/A$	1,25	1,13	mm ⁻¹
l_e	12,2	13,4	mm
A_e	9,8	11,9	mm ²
A_{min}	—	9,3	mm ²
V_e	120	159	mm ³

Approx. weight (per set)

m	0,8	1,0	g
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Gapped

Material	A_L value nH	s approx. mm	μ_e	Ordering code ¹⁾ -D with center hole -T with threaded sleeve
K1	25 ± 3 % 40 ± 3 %	0,45 0,26	25 40	B65517-+25-A1 B65517-+40-A1
M33	63 ± 3 %	0,20	63	B65517-D63-A33
N48	100 ± 3 % 160 ± 3 % 200 ± 3 % 250 ± 5 %	0,10 0,06 0,04 0,03	100 159 200 249	B65517-+100-A48 B65517-+160-A48 B65517-D200-A48 B65517-D250-J48

Ungapped

Material	A_L value nH	μ_e	Ordering code -D with center hole -W without center hole
N26	1300 + 30/- 20 %	1190	B65517-D-R26
N30	2500 + 30/- 20 %	2490	B65517-D-R30
T38	5500 + 40/- 30 %	4945	B65517-W-Y38

¹⁾ Replace the + by the code letter "D" or "T" for the required version.

P 9 × 5

Accessories

B65522

Coil former

Standard: to IEC 60133

Material: GFR polyterephthalate (UL 94 V-0, insulation class to IEC 60085:

F $\triangleq$ max. operating temperature 155 °C), color code black

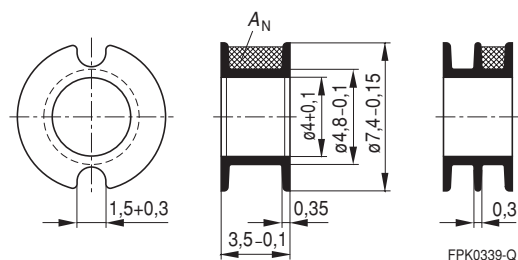
Winding: see "Processing Notes", page 155

Insulating washer 1 between core and coil former

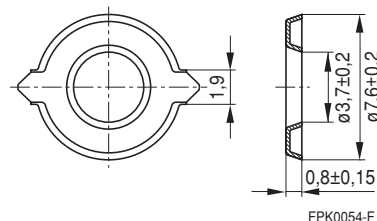
- For tolerance compensation and for insulation
- Polycarbonate spring washer (UL 94 V-0, insulation class to IEC 60085: E $\triangleq$ 120°C), 0,04 mm thick

Coil former				Ordering code
Sections	A_N mm ²	l_N mm	A_R value $\mu\Omega$	
1	3,6	19,2	183	B65522-B-T1
2	3,2	19,2	206	B65522-B-T2
Insulating washer 1 (reel packing, PU = 1 reel)				B65522-A5000

Coil former



Insulating washer 1





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

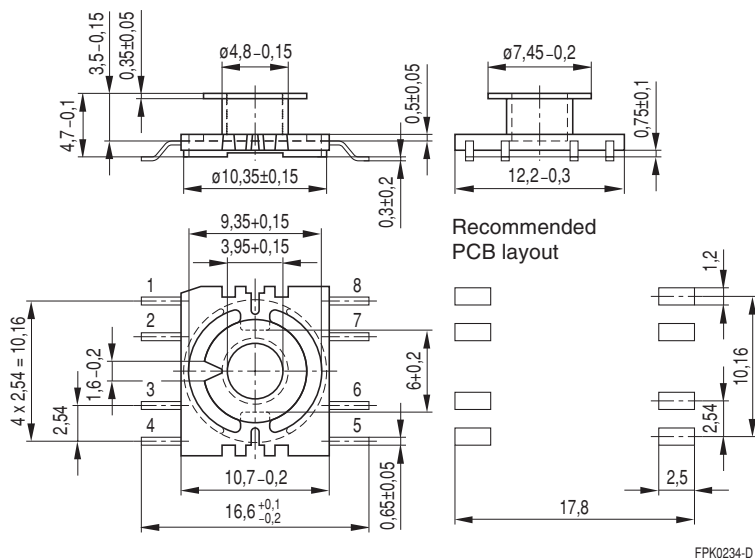
Solderability: to IEC 60068-2-20, test Ta, method 1 (aging 3): 350 °C, 1 s

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 155

Sections	A_N mm ²	l_N mm	A_R value $\mu\Omega$	Terminals	Ordering code
1	3,4	19,2	194	4	B65524-C1004-T1
	3,4	19,2	194	8	B65524-C1008-T1



In the 4-terminal version terminals 2, 3, 6 and 7 are omitted.

Mounting assembly for printed circuit boards

- The set comprises a terminal carrier and a yoke
- For snap-in connection

Terminal carrier

- With thread for the adjusting screw (to be combined with core version "D")

Material: GFR polyterephthalate (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): 235 °C, 2 s

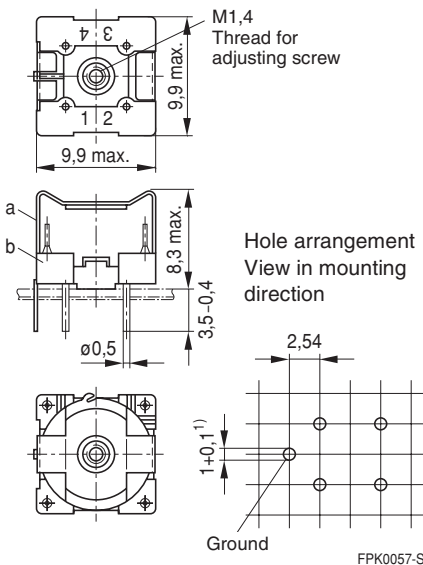
Resistance to soldering heat: to IEC 60068-2-20, test Tb, method 1B: 350 °C, 3,5 s

Yoke

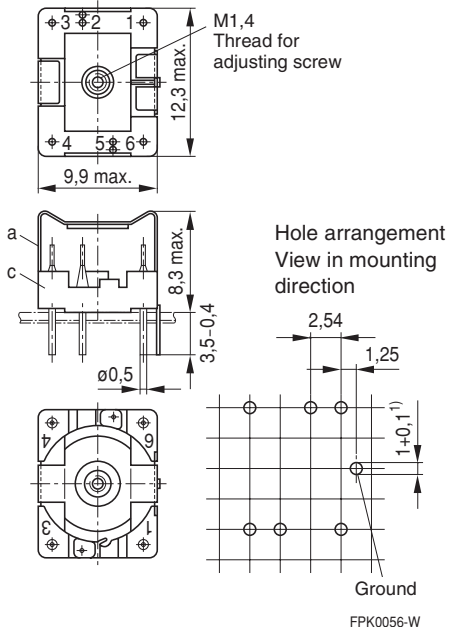
Spring yoke, made of tinned nickel silver (0,25 mm), with ground terminal

Complete mounting assembly (4 solder terminals) Ordering code: B65518-D2001	Complete mounting assembly (6 solder terminals) Ordering code: B65518-D2002
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4 solder terminals



6 solder terminals



- 1) 1,3 hole also permissible
- a) Yoke
- b) Terminal carrier with 4 solder terminals
- c) Terminal carrier with 6 solder terminals

P 9 × 5		B63399
Accessories		B65518

Adjusting screw

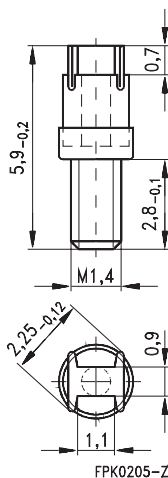
■ Tube core with thread and core brake made of GFR polyterephthalate

Plastic **adjusting screwdriver** (not shown)

Plastic **handle** for adjusting screwdriver (not shown)

Core P 9 × 5		Adjusting screw			Min. adjusting range %	Ordering code
Material	A _L value nH	Tube core Ø × length mm	Mate- rial	Color code		
K 1	25	1,81 × 2,0	Si 1	brown	17	B65518-C3000-X101
	40	1,81 × 2,0	K 1	blue	16	B65518-C3000-X1
M 33	40	1,81 × 2,0	Si 1	brown	16	B65518-C3000-X101
N 48	100	1,81 × 2,0	K 1	blue	15	B65518-C3000-X1
Adjusting screwdriver						B63399-B4
Handle						B63399-B5

Adjusting screw



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

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