



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

Series/Type: **P 14 x 8**

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B65541D0000R026	B65541D0000R048	2002-08-02	2002-12-31	2003-03-31
B65542A50020000		2003-08-08	2005-03-31	2005-09-30
B65542A50000000		2004-10-18	2005-03-31	2005-09-30
B65549E0003X101	B65549E0004X23	2003-08-08	2004-02-29	2004-08-31

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 14 × 8

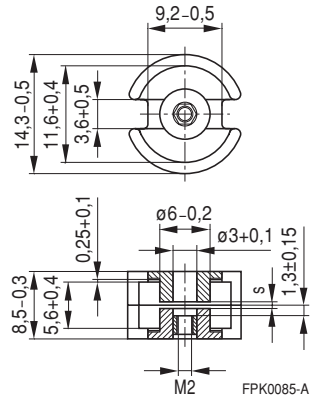
Core

B65541

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

Magnetic characteristics (per set)

	with center hole	without center hole	
$\Sigma I/A$	0,8	0,73	mm ⁻¹
I_e	20	21	mm
A_e	25	28,7	mm ²
A_{min}	20	23,6	mm ²
V_e	500	603	mm ³



Approx. weight (per set)

m	3,2	3,5	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
M33	100 ± 3 %	0,30	64	B65541-+100-A33
N48	160 ± 3 %	0,16	102	B65541-+160-A48
	250 ± 3 %	0,10	159	B65541-+250-A48
	315 ± 3 %	0,08	201	B65541-+315-A48
	400 ± 3 %	0,05	255	B65541-+400-A48

Ungapped

Material	A_L value nH	μ_e	A_{L1min} nH	P_V W/set	Ordering code -D with center hole -W w/o center hole
K1	140 + 30/- 20 %	89			B65541-D-R1
M33	970 + 30/- 20 %	617			B65541-D-R33
N26	2300 + 30/- 20 %	1460			B65541-D-R26
N30	4600 + 30/- 20 %	2670			B65541-W-R30
T38	9800 + 40/- 30 %	5690			B65541-W-Y38
N87	2800 + 30/- 20 %	1630	1550	< 0,26 (200 mT, 100 kHz, 100 °C)	B65541-W-R87
N41	3300 + 30/- 20 %	1940	1940	< 0,09 (200 mT, 25 kHz, 100 °C)	B65541-W-R41

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

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

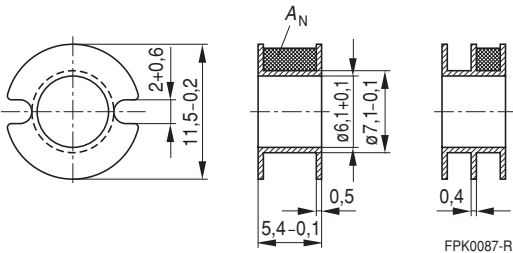
- For tolerance compensation and for insulation
- Polycarbonate spring washer (UL 94 V-0, insulation class to IEC 60085: E $\triangleq$ 120 °C), 0,04 mm thick

Insulating washer 2 between core and terminal carrier

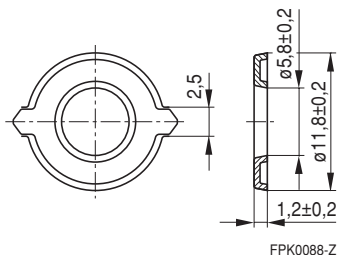
- For increased dielectric strength
- Made of polycarbonate (UL 94 V-0, insulation class to IEC 60085: E $\triangleq$ 120 °C), 0,08 mm thick

Coil former				Ordering code
Sections	A_N mm ²	l_N mm	A_R value $\mu\Omega$	
1	8,4	28	115	B65542-B-T1
2	7,6	28	127	B65542-B-T2
Insulating washer 1 (reel packing, PU = 1 reel)				B65542-A5000
Insulating washer 2 (bulk)				B65542-A5002

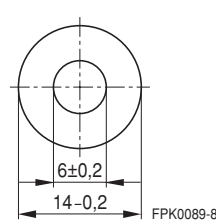
Coil former



Insulating washer 1



Insulating washer 2



Mounting assembly for printed circuit boards

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

Terminal carrier

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

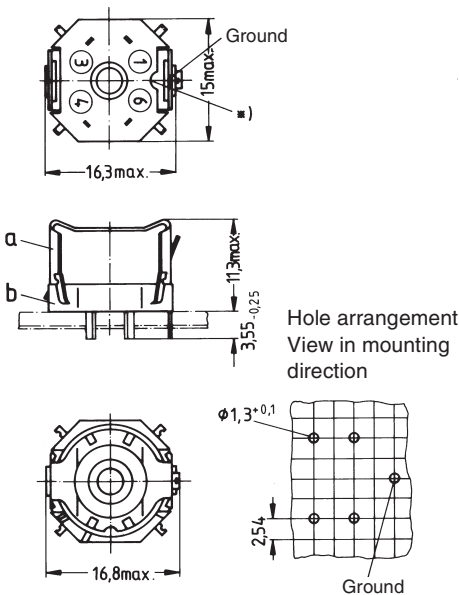
Yoke

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

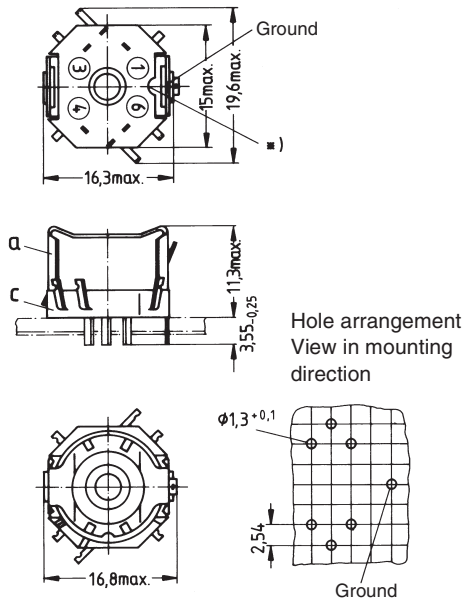
Complete mounting assembly
(4 solder terminals)
Ordering code: B65545-B9

Complete mounting assembly
(6 solder terminals)
Ordering code: B65545-B10

4 solder terminals



6 solder terminals



FPK0090-B

*) This recess must be on the side of the grounding pin to ensure that the yoke locks in position.

- a) Yoke
- b) Terminal carrier with 4 solder terminals
- c) Terminal carrier with 6 solder terminals

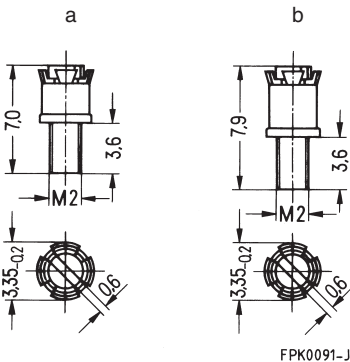
P 14 × 8		B63399
Accessories		B65549

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 14 × 8		Adjusting screw				Min. adjusting range %	Ordering code
Material	A _L value nH	Tube core		Material	Color code		
		Fig.	Ø × length mm				
M 33	40	a	2,6 × 2,0	Si 1	green	15	B65549-E3-X101
N 48	160 250 315 400	b	2,76 × 2,9	N 22	black	20 12 11 6	B65549-E4-X23
Adjusting screwdriver							B63399-B4
Handle							B63399-B5

Adjusting screw



Herausgegeben von EPCOS AG

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