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

Series/Type: P 18 x 11

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B65651D0000R026	B65651D0000R048	2002-08-02	2002-12-31	2003-03-31
B65652A50000000		2004-10-18	2005-03-31	2005-09-30
B65659F0001X101	B65659F0001X023	2004-01-23		

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 18 × 11

Core

B65651

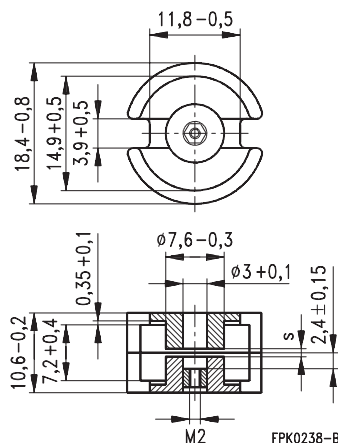
- In accordance with IEC 60133
- Pot cores are supplied in sets

Magnetic characteristics (per set)

	with center hole	without center hole	
$\Sigma I/A$	0,6	0,57	mm ⁻¹
I_e	25,9	26,6	mm
A_e	43	46,7	mm ²
A_{min}	—	33,9	mm ²
V_e	1 120	1 240	mm ³

Approx. weight (per set)

<i>m</i>	6,0	6,6	g
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Gapped

Material	A_L value nH	<i>s</i> approx. mm	μ_e	Ordering code 1) -D with center hole -T w. threaded sleeve
K1	40 ± 3 %	1,60	19	B65651-+40-A1
M33	100 ± 3 %	0,60	48	B65651-+100-A33
N48	160 ± 2 %	0,32	77	B65651-+160-G48
	250 ± 3 %	0,20	120	B65651-+250-A48
	315 ± 3 %	0,15	151	B65651-+315-A48
	400 ± 3 %	0,10	192	B65651-+400-A48
	500 ± 3 %	0,07	240	B65651-+500-A48
	630 ± 5 %	0,05	302	B65651-D630-J48

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
N26	2900 + 30/- 20 %	1380			B65651-D-R26
N30	5900 + 30/- 20 %	2680			B65651-W-R30
T38	12600 + 40/- 30 %	5710			B65651-W-Y38
N87	3600 + 30/- 20 %	1630	2000	< 0,46 (200 mT, 100 kHz, 100 °C)	B65651-W-R87

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

Coil former

Standard: to IEC 60133 and DIN 41 294

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

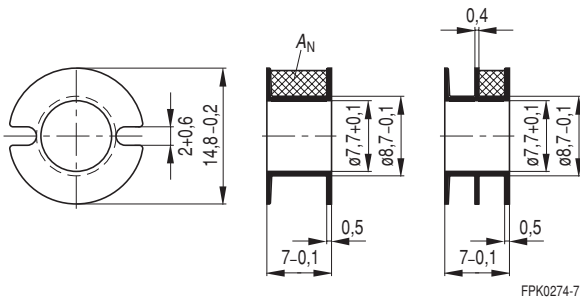
Insulating washer 2 between core and terminal carrier

■ For increased dielectric strength

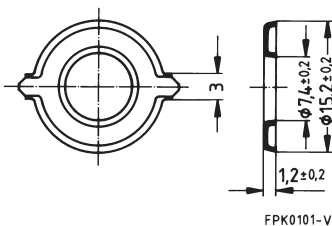
■ Made of polycarbonate (UL 94 V-0, insulation class to IEC 60085: E $\triangleq$ 120 °C), 0,08 mm thick

Coil former				Bestellnummer
Sections	A_N mm ²	l_N mm	A_R value $\mu\Omega$	
1	16	35,6	87	B65652-B-T1
2	13	35,6	94	B65652-B-T2
Insulating washer 1 (reel packing, PU = 1 reel)				B65652-A5000
Insulating washer 2 (bulk)				B65652-A5002

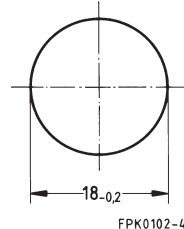
Coil former



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 gray

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 (0,3 mm), with ground terminal

Complete mounting assembly

(4 solder terminals)

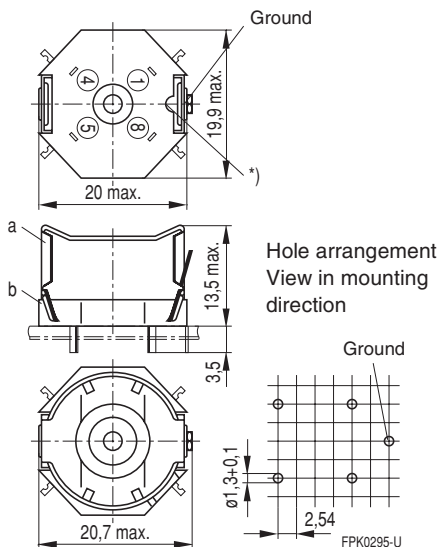
Ordering code: B65655-B9

Complete mounting assembly

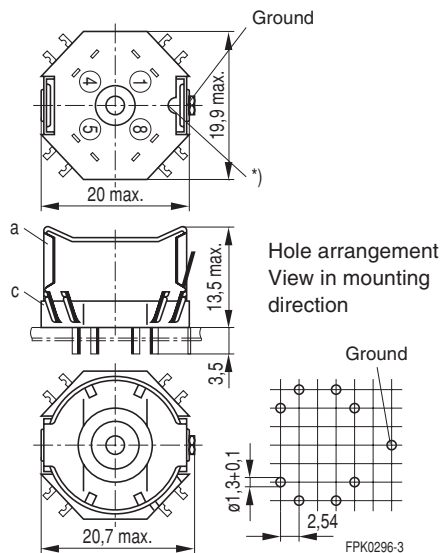
(8 solder terminals)

Ordering code: B65655-B10

4 solder terminals



8 solder terminals



*) 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 8 solder terminals

Adjusting screw

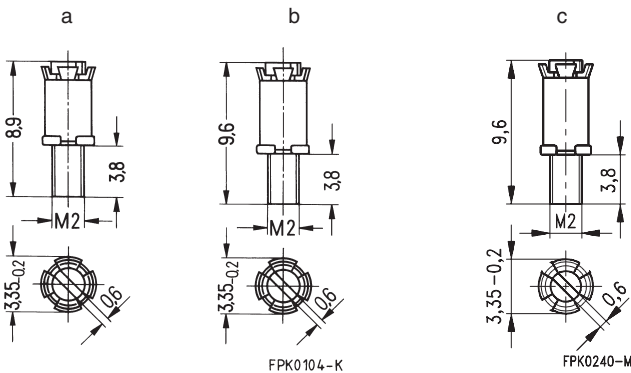
■ Tube core with thread and core brake made of GFR polyterephthalate

Plastic **adjusting screwdriver** (not shown)

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

Core P 18 × 11		Adjusting screw				Min. adjusting range %	Ordering code
Material	A _L value nH	Fig.	Ø × length mm	Material	Color code		
K 1	40	a	2,62 × 3,6	Si 1	white	13	B65659-F1-X101
M 33	100	a	2,62 × 3,6	Si 1	white	10	B65659-F1-X101
N 48	160	a	2,62 × 3,6	Si 1	white	7	B65659-F1-X101
	250	a	2,62 × 3,6	K 1	green	10	B65659-F1-X1
	315 400	b	2,75 × 4,4	N 22	black	16 12	B65659-F3-X23
	400 500	c	2,82 × 4,4	N 22	yellow	16 13	B65659-F4-X23
Adjusting screwdriver							B63399-B4
Handle							B63399-B5

Adjusting screw



Herausgegeben von EPCOS AG

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This brochure replaces the previous edition.

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