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

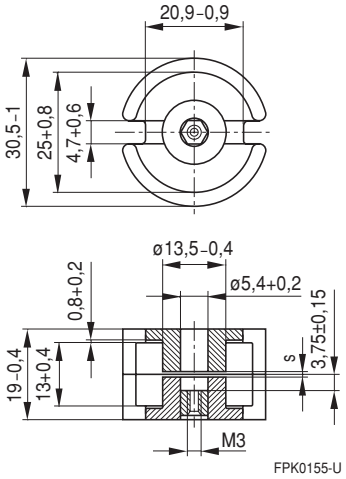
Series/Type: **P 30 x 19**

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B65702A50000000		2004-10-18	2005-03-31	2005-09-30
B65701D0000R026	B65701D0000R048	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.

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



Magnetic characteristics (per set)

	with center hole	without center hole	
$\Sigma l/A$	0,33	0,32	mm^{-1}
l_e	45	46	mm
A_e	136	145	mm^2
A_{min}	—	117	mm^2
V_e	6 100	6 670	mm^3

Approx. weight (per set)

m	36	37	g

Gapped

Material	A_L value nH	*s* approx. mm	μ_e	Ordering code [1] -D with center hole -T with threaded sleeve
N48	250 ± 2 %	0,72	66	B65701-+250-G48
	400 ± 2 %	0,40	105	B65701-+400-A48
	630 ± 3 %	0,22	166	B65701-+630-A48
	1000 ± 3 %	0,12	263	B65701-+1000-A48
	2000 ± 5 %	0,05	525	B65701-D2000-J48

Ungapped

Material	A_L value nH	μ_e	A_{L1min} nH	P_V W/set	Ordering code -D with center hole -W without center hole
N26	6200 + 30/– 20 %	1630			B65701-D-R26
N87	6400 + 30/– 20 %	1630	3800	< 2,5 (200 mT, 100 kHz, 100 °C)	B65701-W-R87
N30	11500 + 30/– 20 %	2930			B65701-W-R30
T38	28000 + 40/– 30 %	7130			B65701-W-Y38

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 ≙ max. operating temperature 155 °C), color code black
Winding: see *"Processing Notes"*, page 155

Insulating washer 1 between core and coil former

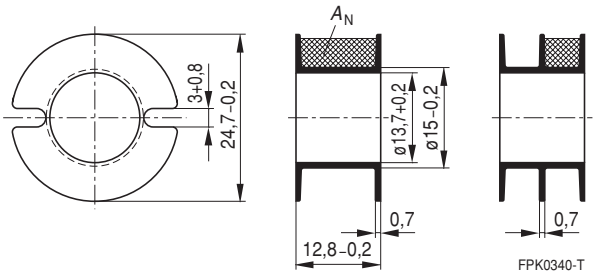
- For tolerance compensation and for insulation
- Polycarbonate spring washer (UL 94 V-0, insulation class to IEC 60085: E ≙ 120°C), 0,06 mm thick

Insulating washer 2 between core and terminal carrier

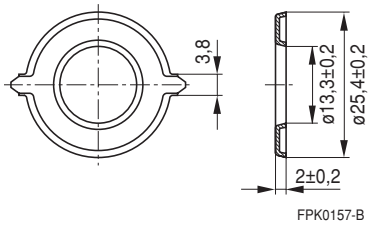
- For increased dielectric strength
- Made of polycarbonate (UL 94 V-0, insulation class to IEC 60085: E ≙ 120°C), 0,08 mm thick

Coil former				Ordering code
Sections	A_N mm²	l_N mm	A_R value μΩ	
1	48	60	46	B65702-B-T1
2	45	60	49	B65702-B-T2
Insulating washer 1 (reel packing, PU = 1 reel)				B65702-A5000
Insulating washer 2 (bulk)				B65702-A5002

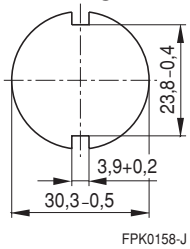
Coil former



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

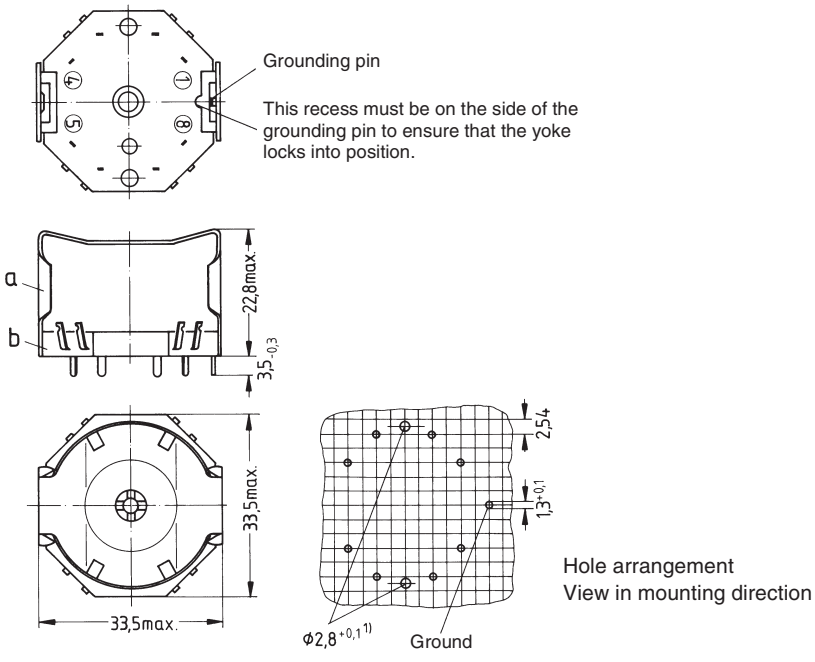
Terminal carrier

Material: GFR polyterephthalate (UL 94 V-0, insulation class to IEC 85: F ≙ max. operating temperature 155 °C), color code gray
Solderability: to IEC 68-2-20, 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

Yoke

Spring yoke, made of tinned nickel silver (0,5 mm), with ground terminal

Complete mounting assembly (8 solder terminals)
Ordering code: B65705-B3



Hole arrangement
View in mounting direction

1) The 2,8 mm hole is only necessary for additional fixing with M 2,5 screw.
a) Yoke
b) Terminal carrier with 8 solder terminals

Adjusting screw

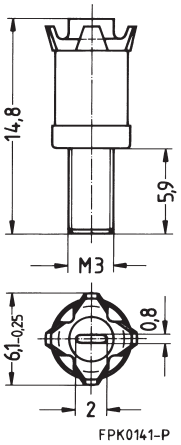
- Tube core with thread and core brake made of GFR polyterephthalate

Plastic **adjusting screwdriver** (not shown)

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

Core P 30 × 19		**Adjusting screw**			Min. adjusting range	Ordering code
Material	A_L value nH	Tube core ∅ × length mm	Material	Color code	%	
N 48	250	4,55 × 6,3	N 22	red	16	B65679-E3-X22
	400 630	4,98 × 6,3	N 22	black	18 11	B65679-E2-X22
	630 1000	5,15 × 6,3	N 22	white	18 10	B65679-E1-X22
Adjusting screwdriver						B63399-B1
Handle						B63399-B5

Adjusting screw 1)



1) Due to the limited distance between adjusting screw and internal borehole, the entire assembly must be accurately centered.

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

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