

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

Series/Type: **P 11 x 7**

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B65531D0000R026	B65531D0000R048	2002-08-02	2002-12-31	2003-03-31
B65539C1003X101	B65539C1003X001	2004-01-23		

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P 11 × 7

Core

B65531

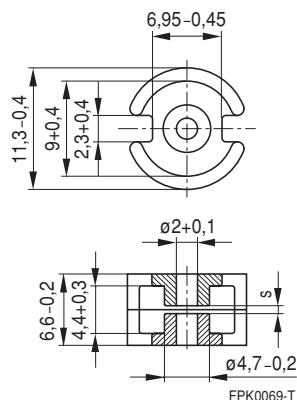
- In accordance with IEC 60133
- Pot cores are supplied in sets

Magnetic characteristics (per set)

	with center hole	without center hole	
$\Sigma l/A$	1,0	0,92	mm^{-1}
l_e	15,9	16,30	mm
A_e	15,9	17,70	mm^2
$A_{\min}$	—	14,90	mm^2
V_e	252,0	289,00	mm^3

Approx. weight (per set)

m	1,7	1,8	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 %	1,00 0,41	20 32	B65531-D25-A1 B65531-D40-A1
M33	40 ± 3 % 63 ± 3 %	0,64 0,38	32 50	B65531-D40-A33 B65531-D63-A33
N48	100 ± 3 % 160 ± 3 % 250 ± 3 % 400 ± 5 %	0,20 0,10 0,06 0,03	80 127 199 318	B65531-D100-A48 B65531-+160-A48 B65531-+250-A48 B65531-D400-J48

Ungapped

Material	A_L value nH	μ_e	$A_{L1\min}$ nH	P_V W/set	Ordering code -D with center hole -W w/o center hole
M33	780 + 30/- 20 %	620			B65531-D-R33
N26	1800 + 30/- 20 %	1430			B65531-D-R26
N30	3500 + 30/- 20 %	2560			B65531-W-R30
T38	7000 + 40/- 30 %	5120			B65531-W-Y38
N87	2000 + 30/- 20 %	1460	1250	< 0,12 (200 mT, 100 kHz, 100 °C)	B65531-W-R87

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

P 11 × 7

Accessories

B65532

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

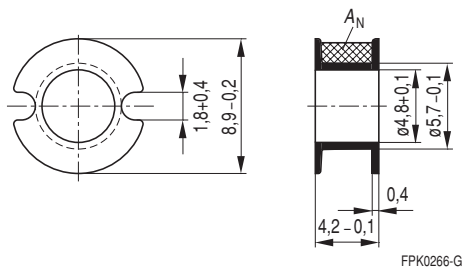
Winding: see "Processing Notes", page 155

Insulating washer 1 between core and coil former

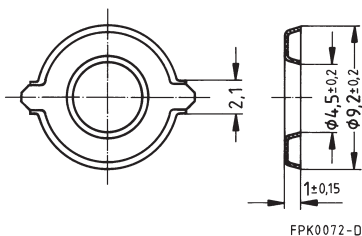
- For tolerance compensation and for insulation
- Polycarbonate spring washer (UL 94 V-0, insulation class to IEC 60085: E $\triangleq$ 120°C), 0,04 mm thick

Coil former				Ordering code
Sections	A_N mm ²	l_N mm	A_R value $\mu\Omega$	
1	4,2	22	180	B65532-B-T1
Insulating washer 1 (reel packing, PU = 1 reel)				B65532-A5000

Coil former



Insulating washer 1



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

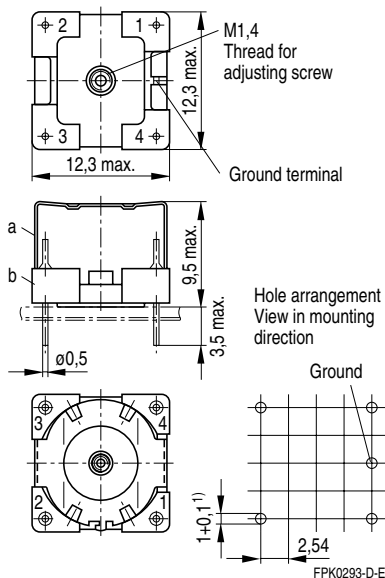
Yoke

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

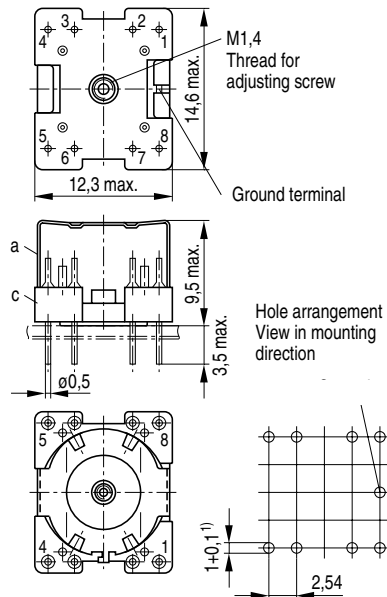
Complete mounting assembly
(4 solder terminals)
Ordering code: B65535-B2

Complete mounting assembly
(8 solder terminals)
Ordering code: B65535-B3

4 solder terminals



8 solder terminals



- 1) 1,3 hole also permissible
- a) Yoke
- b) Terminal carrier with 4 solder terminals
- c) Terminal carrier with 8 solder terminals

P 11 × 7		B63399
Accessories		B65539

Adjusting screw

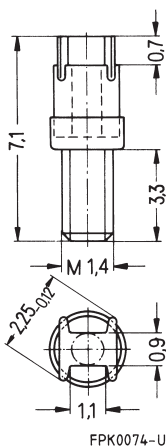
■ Tube core with thread and core brake made of GFR polyterephthalate

Plastic **adjusting screwdriver** (not shown)

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

Core P 11 × 7		Adjusting screw			Min. adjusting range %	Ordering code
Material	A _L value nH	Tube core Ø × length mm	Material	Color code		
K 1	25 40	1,81 × 2,0	K 1	yellow	30 12	B65539-C1003-X1
M 33	40 63	1,81 × 2,0	Si 1	black	17 11	B65539-C1003-X101
N 48	100	1,81 × 2,0	K 1	yellow	17	B65539-C1003-X1
	160 250	1,81 × 2,7	N 22	red	16 8	B65539-C1002-X22
Adjusting screwdriver						B63399-B4
Handle						B63399-B5

Adjusting screw



Herausgegeben von EPCOS AG

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