



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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- In accordance with IEC 61596
- For transformers featuring high inductance and low overall height
- For power applications
- EP cores are supplied in sets

**Magnetic characteristics** (per set)

$\Sigma l/A = 1,24 \text{ mm}^{-1}$

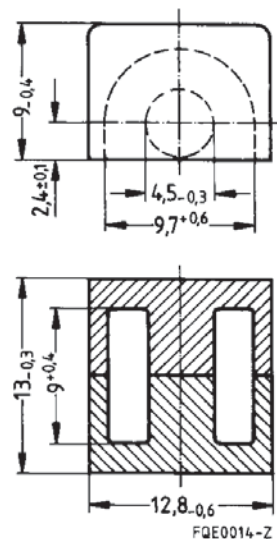
$l_e = 24,2 \text{ mm}$

$A_e = 19,5 \text{ mm}^2$

$A_{\min} = 14,9 \text{ mm}^2$

$V_e = 472 \text{ mm}^3$

**Approx. weight** 4,5 g/set



**Gapped**

Material	$A_L$ value nH	s approx. mm	$\mu_e$	Ordering code
N67	$300 \pm 5 \%$	0,07	296	B65843-A300-J67

**Ungapped**

Material	$A_L$ value nH	$\mu_e$	$A_{L1\min}$ nH	$P_V$ W/set	Ordering code
N67	$1600 + 30/- 20 \%$	1580	900	0,22 (200 mT, 100 kHz, 100 °C)	B65843-A-R67
N87	$1600 + 30/- 20 \%$	1580	900	0,18 (200 mT, 100 kHz, 100 °C)	B65843-A-R87
N26 <sup>1)</sup>	$1400 + 30/- 20 \%$	1380			B65843-A-R26
N30	$2800 + 30/- 20 \%$	2760			B65843-A-R30
T65 <sup>1)</sup>	$4000 + 30/- 20 \%$	3950			B65843-A-R65
T35	$4400 + 30/- 20 \%$	4340			B65843-A-R35
T38	$7000 + 40/- 30 \%$	6910			B65843-A-Y38
T42	$8500 + 40/- 30 \%$	8300			B65843-A-Y42

1) Preliminary data

**Coil former**

Material: GFR thermosetting plastic (UL 94 V-0, insulation class to IEC 60085: F  $\triangleq$  max. operating temperature 155 °C), color code green

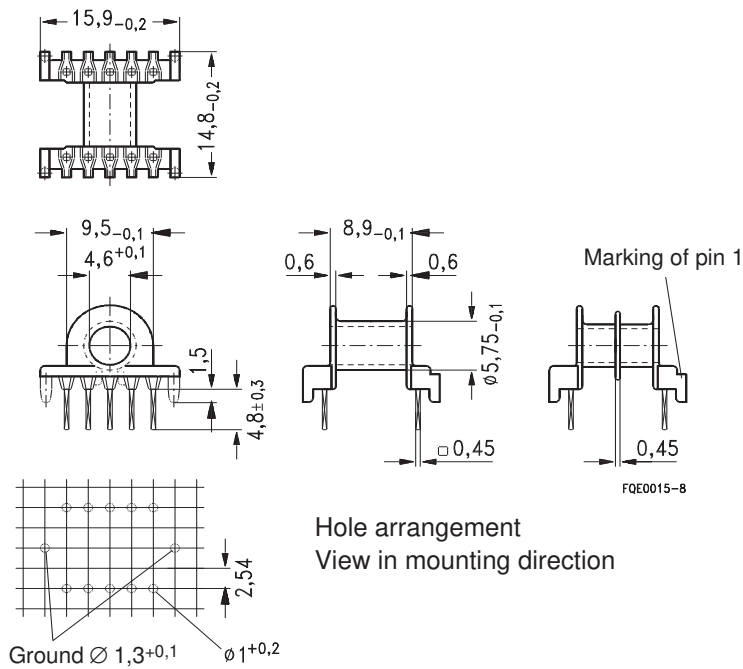
Solderability: to IEC 60068-2-20, test Ta, method 1 (aging 3): 235 °C, 2 s

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

Winding: see page 155

Squared pins

Sections	$A_N$ mm <sup>2</sup>	$l_N$ mm	$A_R$ value $\mu\Omega$	Terminals	Ordering code
1	13,8	23,8	59,4	10	B65844-C1010-D1
2	13,0	23,8	63,2	10	B65844-C1010-D2



Hole arrangement  
View in mounting direction

**Coil former with closed center flange for high-voltage applications**

Material: GFR thermosetting plastic (UL 94 V-0, insulation class to IEC 60085: F  $\triangleq$  max. operating temperature 155 °C), color code green

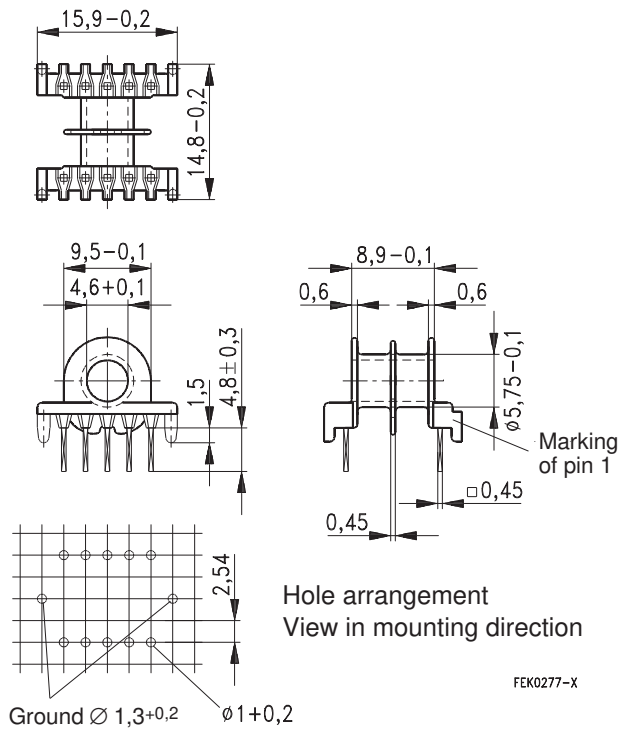
Solderability: to IEC 60068-2-20, test Ta, method 1 (aging 3): 235 °C, 2 s

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

Winding: see page 155

Squared pins

Sections	$A_N$ mm <sup>2</sup>	$l_N$ mm	$A_R$ value $\mu\Omega$	Terminals	Ordering code
2	13,0	23,8	63,2	10	B65844-L1010-D2



**Mounting assembly**

The set comprises a yoke and a clamp

**Yoke**

Material: Made of nickel silver (0,4 mm) with ground terminal (tinned)

**Clamp**

Material: Spring clamp, made of nickel silver (0,4 mm)

**Cap yoke**

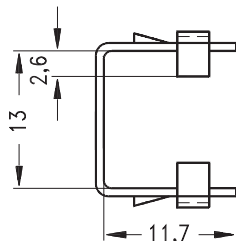
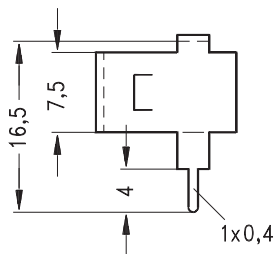
Material: With ground terminal, made of stainless spring steel (tinned), 0,3 mm thick

Available from I/99

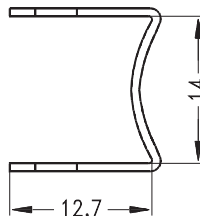
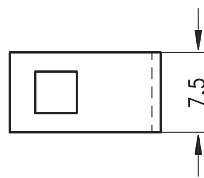
Matching coil former in preparation

	Ordering code
Complete mounting assembly	B65844-A2000
Cap yoke <sup>1)</sup>	B65844-C2000

**Yoke**

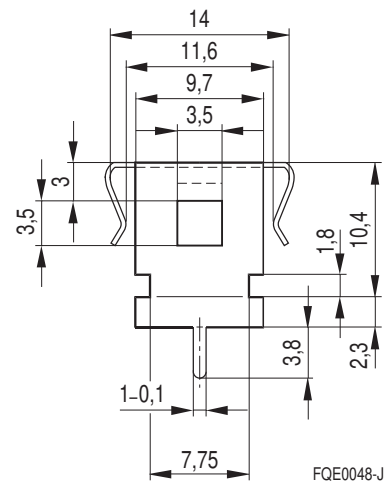
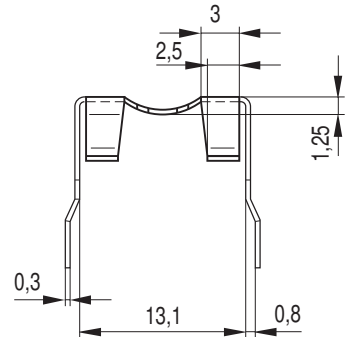


**Clamp**



FQE0016-G

**Cap yoke**



FQE0048-J

1) Preliminary data

**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 natural or black

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 page 160

Sections	$A_N$ mm <sup>2</sup>	$l_N$ mm	$A_R$ value $\mu\Omega$	Terminals	Ordering code
1	14,0	23,8	59,4	10	B65844-N1110-T1
2	13,2	23,8	63,2	10	B65844-N1110-T2

