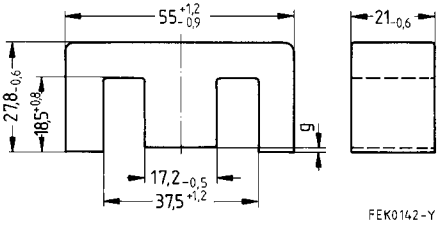
- In accordance with IEC 61246
- E cores are supplied as single units



Magnetic characteristics (per set)

$\Sigma l/A$ = 0,35 mm^{-1}
l_e = 124 mm
A_e = 354 mm^2
A_{min} = 351 mm^2
V_e = 43 900 mm^3

Approx. weight 215 g/set

Ungapped

Material	A_L value nH	μ_e	A_{L1min} nH	P_V W/set	Ordering code
N27	5800 + 30/– 20 %	1610	4500	8,00 (200 mT, 25 kHz, 100˚C)	B66335-G-X127
N67	6400 + 30/– 20 %	1780	4500	4,30 (100 mT, 100 kHz, 100˚C)	B66335-G-X167
N87	6400 + 30/– 20 %	1780	4500	21,50 (200 mT, 100 kHz, 100˚C)	B66335-G-X187

Gapped

Material	g mm	A_L value approx. nH	μ_e	Ordering code ** = 27 (N27) = 67 (N67) = 87 (N87)
N27,	0,50 ± 0,05	843	234	B66335-G500-X1**
N67,	1,00 ± 0,05	496	138	B66335-G1000-X1**
N87	1,50 ± 0,05	364	101	B66335-G1500-X1**
	2,00 ± 0,05	292	81	B66335-G2000-X1**

The A_L value in the table applies to a core set comprising one ungapped core (dimension $g = 0$) and one gapped core (dimension $g > 0$).

Calculation factors (see page 423 for formulas)

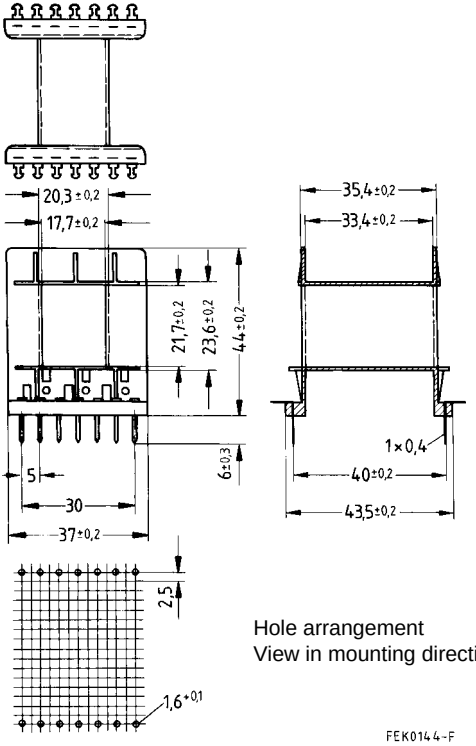
Material	Relationship between air gap – A_L value		Calculation of saturation current			
	K1 (25 ˚C)	*K2* (25 ˚C)	*K3* (25 ˚C)	*K4* (25 ˚C)	*K3* (100 ˚C)	*K4* (100 ˚C)
N27	496	– 0,764	836	– 0,847	781	– 0,865
N67	496	– 0,764	794	– 0,82	791	– 0,881
N87	496	– 0,764	800	– 0,796	765	– 0,873

Validity range: *K1*, *K2*: 0,15 mm < *s* < 3,50 mm
K3, *K4*: 180 nH < A_L < 1799 nH

Coil former

Material: GFR 6-polyamide (UL 94 HB, insulation class to IEC 60085:
B ≙ max. operating temperature 130 ˚C), color code natural
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, 3,5s
Winding: see page 159

Sections	A_N mm²	l_N mm	A_R value μΩ	Pins	Ordering code
1	280	113	14	14	B66252-B-M1



Hole arrangement
View in mounting direction