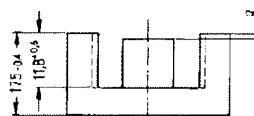


**ETD 34/17/11
Core**

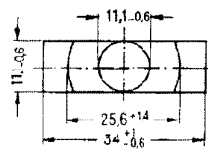
B66361

- In accordance with IEC 1105
- Quality assurance per UTE 83313-001/CECC 25 301-001 (material N27)
- For SMPS transformers with optimum weight/performance ratio at small volume
- ETD cores are supplied as pieces



Magnetic characteristics (per set)

$\Sigma l/A = 0,81 \text{ mm}^{-1}$
 $l_e = 78,6 \text{ mm}$
 $A_e = 97,1 \text{ mm}^2$
 $A_{Lmin} = 91,6 \text{ mm}^2$
 $V_e = 7\,630 \text{ mm}^3$



FI K0048-F

Approx. weight 40 g/set

Ungapped

Material	A_L value	μ_e	A_{Lmin}	P_V	Ordering code	PU
	nH					nH
N27	2400 + 30/- 20 %	1540	1940	1,48 (200 mT, 25 kHz, 100 °C)	B66361-G-X127	200
N67	2450 + 30/- 20 %	1580	1940	5,00 (200 mT, 100 kHz, 100 °C)	B66361-G-X167	
N87	2600 + 30/- 20 %	1670	1940	4,00 (200 mT, 100 kHz, 100 °C)	B66361-G-X187	

Gapped

Material	g	A_L value approx.	μ_e	Ordering code	PU
	mm				nH
N27,	0,10 ± 0,02	790	508	B66361-G100-X127	200
N67	0,20 ± 0,02	482	310	B66361-G200-X1**	
	0,50 ± 0,05	251	161	B66361-G500-X1**	
	1,00 ± 0,05	153	98	B66361-G1000-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 437 for formulas)

Material	Relationship between air gap – A_L value		Calculation of saturation current			
	$K1$ (23 °C)	$K2$ (23 °C)	$K3$ (23 °C)	$K4$ (23 °C)	$K3$ (100 °C)	$K4$ (100 °C)
N27	153	- 0,713	245	- 0,847	227	- 0,865
N67	153	- 0,713	236	- 0,820	229	- 0,881
N87	153	- 0,713	240	- 0,796	222	- 0,873

Validity range: $K1, K2$: $0,10 \text{ mm} < s < 2,50 \text{ mm}$
 $K3, K4$: $80 \text{ nH} < A_L < 780 \text{ nH}$