

EC 41/20/12
Core

B66339

- In accordance with IEC 647
- Compact E core with large winding window
- Round center leg particularly suitable for use of thick winding wires
- EC cores are supplied as pieces

Magnetic characteristics (per set)

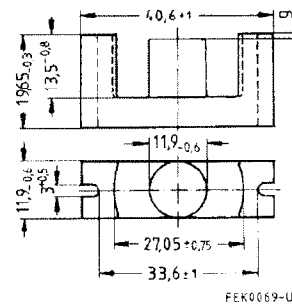
$$\Sigma l/A = 0,74 \text{ mm}^{-1}$$

$$l_e = 89,3 \text{ mm}$$

$$A_e = 121 \text{ mm}^2$$

$$A_{\text{min}} = 106 \text{ mm}^2$$

$$V_e = 10\,800 \text{ mm}^3$$



Approx. weight 52 g/set

Ungapped

Material	A_L value nH	μ_e	$A_{L\text{min}}$ nH	P_V W/set	Ordering code	PU Pcs
N27	2700 + 30/- 20 %	1580	2130	1,80 (200 mT, 25 kHz, 100 °C)	B66339-G-X127	200

Gapped

Material	g mm	A_L value approx. nH	μ_e	Ordering code	PU Pcs
N27	0,25 ± 0,02	470	275	B66339-G250-X127	200
	0,50 ± 0,05	281	165	B66339-G500-X127	

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	168	- 0,742	300	- 0,847	279	- 0,865

Validity range: $K1, K2$: 0,10 mm < s < 2,50 mm
 $K3, K4$: 90 nH < A_L < 850 nH