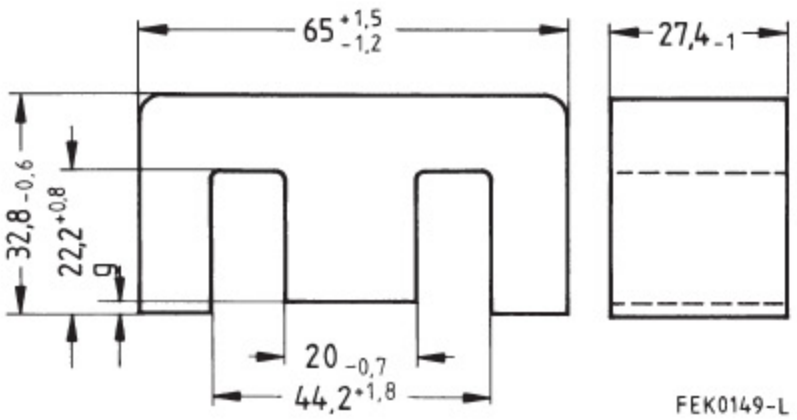
EPCOS

E 65/32/27

Core B66387

■ E cores are supplied as single units



Magnetic characteristics (per set)

$\Sigma l/A$ = 0,27 mm^{-1}
l_e = 147 mm
A_e = 535 mm^2
A_{min} = 529 mm^2
V_e = 78 600 mm^3

Approx. weight 394 g/set

Ungapped

Material	A_L value nH	μ_e	A_{L1min} nH	P_V W/set	Ordering code
N27	7200 + 30/– 20 %	1570	5730	< 14,60 (200 mT, 25 kHz, 100 °C)	B66387-G-X127
N87	7900 + 30/– 20 %	1700	5730	< 6,70 (100 mT, 100 kHz, 100 °C)	B66387-G-X187

Gapped

Material	g mm	A_L value approx. nH	μ_e	Ordering code ** = 27 (N27) = 87 (N87)
N27, N87	0,50 ± 0,05	1214	265	B66387-G500-X1**
	1,00 ± 0,05	716	156	B66387-G1000-X1**
	1,50 ± 0,05	526	115	B66387-G1500-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 (for formulas, see *"E cores: general information"*, page 382)

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	716	– 0,762	1231	– 0,847	1154	– 0,865
N87	716	– 0,762	1168	– 0,796	1131	– 0,873

Validity range: *K1*, *K2*: 0,20 mm < s < 5,00 mm
K3, *K4*: 230 nH < A_L < 2290 nH