Ferrites and accessories

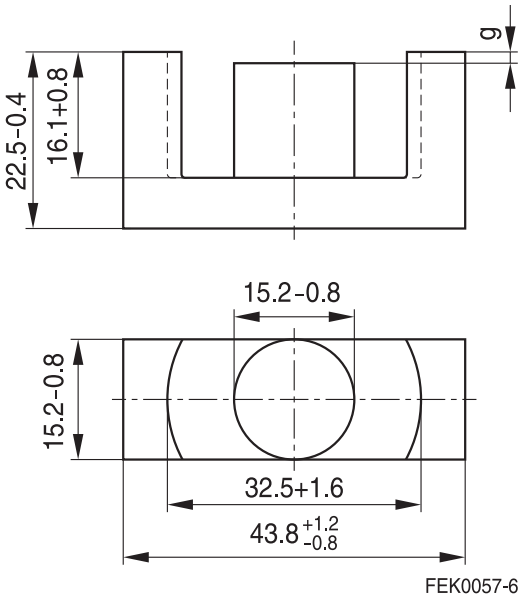
ETD 44/22/15
Core and accessories

Series/Type: **B66365, B66366**

Date: May 2017

EPCOS AG is a TDK Group Company.

To IEC 62317-6
For SMPS transformers with optimum weight/performance ratio at small volume
Delivery mode: single units



Magnetic characteristics (per set)

$\Sigma l/A$ = 0.6 mm^{-1}
l_e = 103 mm
A_e = 173 mm^2
A_{min} = 172 mm^2
V_e = 17800 mm^3

Approx. weight 94 g/set

Ungapped

Material	A_L value nH	μ_e	B_S* mT	P_V W/set	Ordering code
N27	3300 +30/–20%	1560	320	< 3.48 (200 mT, 25 kHz, 100 °C)	B66365G0000X127
N87	3500 +30/–20%	1650	320	< 9.40 (200 mT, 100 kHz, 100 °C)	B66365G0000X187
N97	3600 +30/–20%	1720	320	< 8.00 (200 mT, 100 kHz, 100 °C)	B66365G0000X197
N95	4400 +30/–20%	2085	330	< 8.85 (200 mT, 100 kHz, 100 °C)	B66365G0000X195

* H = 250 A/m; f = 10 kHz; T = 100 °C

Gapped (A_L values/air gaps examples)

Material	g mm	A_L value approx. nH	μ_e	Ordering code ** = 27 (N27) = 87 (N87)
N27, N87	0.20 ±0.02	862	407	B66365G0200X1**
	0.50 ±0.05	438	207	B66365G0500X1**
	1.00 ±0.05	262	124	B66365G1000X1**
	1.50 ±0.05	194	92	B66365G1500X1**
	2.00 ±0.05	150	70	B66365G2000X1**

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

Other A_L values/air gaps and materials available on request ─ see Processing remarks on page 5.

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Release 2018-10