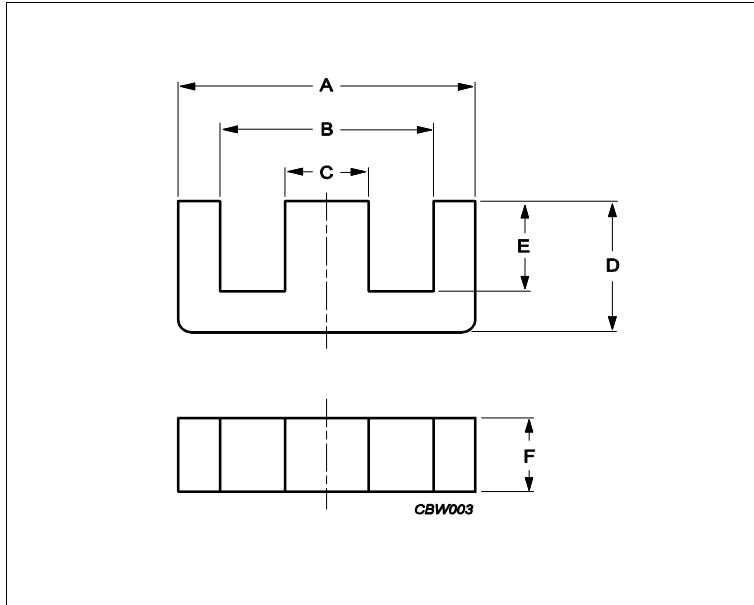


Product specifications

Core **E41/17/12**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.517	mm ⁻¹
Ve	effective volume	11500	mm ³
Le	effective length	77	mm
Ae	effective area	149	mm ²
Amin	minimum area	142	mm ²
m	E41/17/12	≈ 30	g/pcs

Dimensions for product: E41/17/12						
	Nom	Tol +	Tol -	Max	Min	Unit
A	40.60	0.65	0.65	41.25	39.95	mm
B					28.60	mm
C	12.45	0.25	0.25	12.70	12.20	mm
D	16.60	0.20	0.20	16.80	16.40	mm
E					10.40	mm
F	12.40	0.30	0.30	12.70	12.10	mm

Inductance factor				
Material	Value	Tol +	Tol -	Unit
3C91	5370	25%	25%	nH/turns ²
3C92	3300	25%	25%	nH/turns ²
3C94	4100	25%	25%	nH/turns ²
3C95	4900	25%	25%	nH/turns ²
3F36	2800	25%	25%	nH/turns ²

Power loss: 3C91				
Measuring conditions			Max	Unit
100 kHz	200 mT	60 °C	5.800	W/set
Power loss: 3C92				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	5.800	W/set
Power loss: 3C94				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	5.800	W/set

Core **E41/17/12**

Power loss: 3C95

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	5.500	W/set
100 kHz	200 mT	25 °C	6.000	W/set

Power loss: 3F36

Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	1.700	W/set
500 kHz	100 mT	100 °C	13.000	W/set

Bsat

Measuring conditions			Material	Min	Unit
25 kHz	250 A/m	100 °C	3C91	320	mT
25 kHz	250 A/m	100 °C	3C92	370	mT
25 kHz	250 A/m	100 °C	3C94	320	mT
25 kHz	250 A/m	100 °C	3C95	330	mT
25 kHz	250 A/m	100 °C	3F36	340	mT

Accessories

Ordering name	Description	Ordering code
CPH-E41/12-1S-12PD-Z	Coil former, termoplastic, horizontal	433506027101