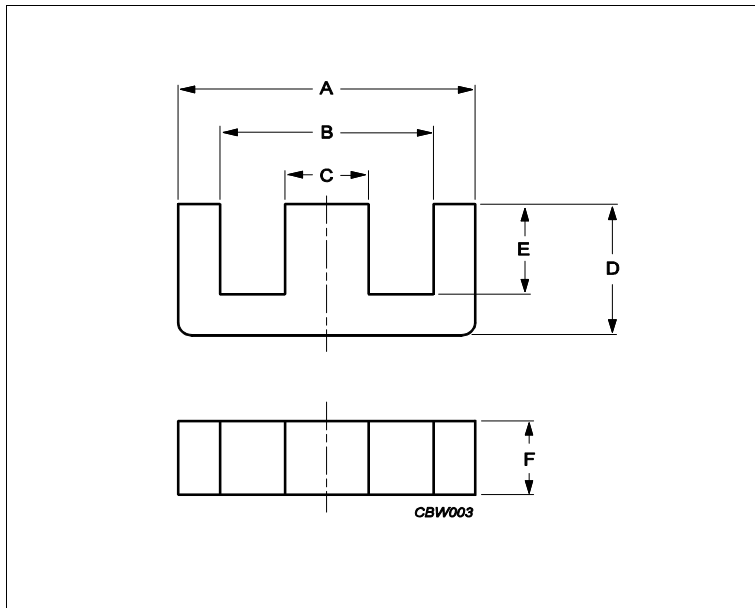


## Core **E41/17/12**



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

**Dimensions for product: E41/17/12**

	Nom	Tol +	Tol -	Max	Min	Unit
<b>A</b>	40.60	0.65	0.65	41.25	39.95	mm
<b>B</b>					28.60	mm
<b>C</b>	12.45	0.25	0.25	12.70	12.20	mm
<b>D</b>	16.60	0.20	0.20	16.80	16.40	mm
<b>E</b>					10.40	mm
<b>F</b>	12.40	0.30	0.30	12.70	12.10	mm

**Inductance factor**

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

**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