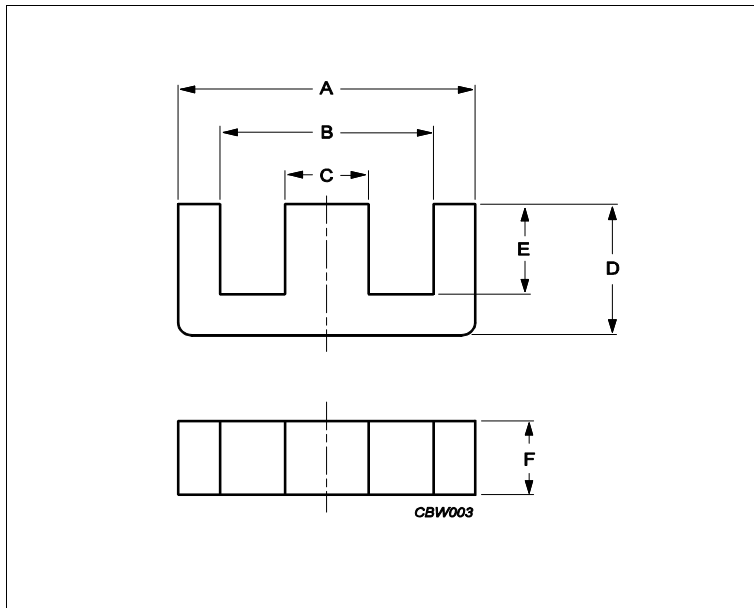


## Core **E13/7/4**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	2.39	mm <sup>-1</sup>
<b>Ve</b>	effective volume	369	mm <sup>3</sup>
<b>Le</b>	effective length	29.7	mm
<b>Ae</b>	effective area	12.4	mm <sup>2</sup>
<b>Amin</b>	minimum area	12.2	mm <sup>2</sup>
<b>m</b>	E13/7/4	≈ 0.9	g/pcs

### Dimensions for product: E13/7/4

	Nom	Tol +	Tol -	Max	Min	Unit
<b>A</b>	12.60	0.50	0.40	13.10	12.20	mm
<b>B</b>	8.90	0.60	0.00	9.50	8.90	mm
<b>C</b>	3.70	0.00	0.30	3.70	3.40	mm
<b>D</b>	6.50	0.00	0.20	6.50	6.30	mm
<b>E</b>	4.50	0.30	0.00	4.80	4.50	mm
<b>F</b>	3.70	0.00	0.30	3.70	3.40	mm

### Inductance factor

Material	Value	Tol +	Tol -	Unit
3C94	800	25%	25%	nH/turns <sup>2</sup>
3C96	700	25%	25%	nH/turns <sup>2</sup>
3F36	560	25%	25%	nH/turns <sup>2</sup>

### Power loss: 3C94

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.180	W/set

### Power loss: 3C96

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.170	W/set
400 kHz	50 mT	100 °C	0.066	W/set

### Power loss: 3F36

Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	0.055	W/set
500 kHz	100 mT	100 °C	0.420	W/set

Core **E13/7/4**

Bsat					
Measuring conditions			Material	Min	Unit
25 kHz	250 A/m	100 °C	3C94	320	mT
25 kHz	250 A/m	100 °C	3C96	340	mT
25 kHz	250 A/m	100 °C	3F36	340	mT

Accessories		
Ordering name	Description	Ordering code
CPH-E13/7/4-1S-6P	Coil former, termoplastic, horizontal	431202126202
CSH-E13/7/4-1S-10P-C	Coil former, termoset, horizontal	432202104061