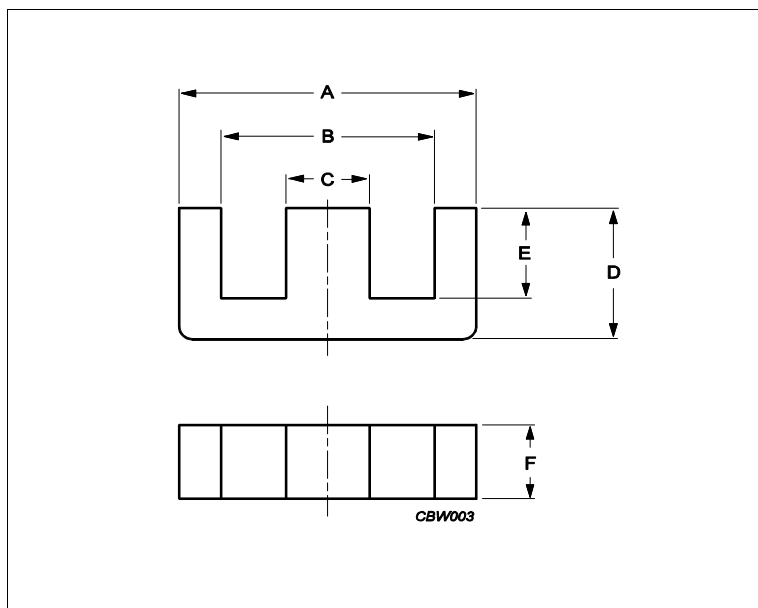


## Core **E32/16/9**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.894	mm <sup>-1</sup>
<b>Ve</b>	effective volume	6180	mm <sup>3</sup>
<b>Le</b>	effective length	74	mm
<b>Ae</b>	effective area	83	mm <sup>2</sup>
<b>Amin</b>	minimum area	83	mm <sup>2</sup>
<b>m</b>	E32/16/9	≈ 16	g/pcs

**Dimensions for product: E32/16/9**

	Nom	Tol +	Tol -	Max	Min	Unit
<b>A</b>	32.00	0.90	0.70	32.90	31.30	mm
<b>B</b>	22.70	1.20	0.00	23.90	22.70	mm
<b>C</b>	9.50	0.00	0.60	9.50	8.90	mm
<b>D</b>	16.40	0.00	0.40	16.40	16.00	mm
<b>E</b>	11.20	0.60	0.00	11.80	11.20	mm
<b>F</b>	9.50	0.00	0.70	9.50	8.80	mm

**Inductance factor**

Material	Value	Tol +	Tol -	Unit
3C92	1850	25%	25%	nH/turns <sup>2</sup>
3C94	2500	25%	25%	nH/turns <sup>2</sup>
3C96	2300	25%	25%	nH/turns <sup>2</sup>
3F36	1700	25%	25%	nH/turns <sup>2</sup>

**Power loss: 3C92**

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	3.100	W/set

**Power loss: 3C94**

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	3.100	W/set

**Power loss: 3C96**

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	2.800	W/set
400 kHz	50 mT	100 °C	1.100	W/set

## Core **E32/16/9**

### Power loss: 3F36

Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	0.930	W/set
500 kHz	100 mT	100 °C	7.100	W/set

### Bsat

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

### Accessories

Ordering name	Description	Ordering code
CPH-E32/16/9-1S-12P	Coil former, termoplastic, horizontal	431202126222