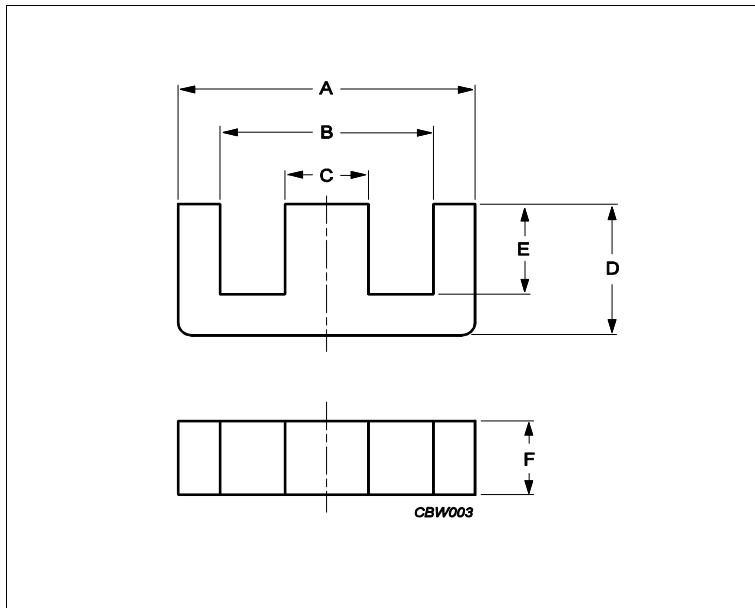


Core **E30/15/7**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	1.12	mm <sup>-1</sup>
<b>Ve</b>	effective volume	4000	mm <sup>3</sup>
<b>Le</b>	effective length	67	mm
<b>Ae</b>	effective area	60	mm <sup>2</sup>
<b>Amin</b>	minimum area	49	mm <sup>2</sup>
<b>m</b>	E30/15/7	≈ 11	g/pcs

Dimensions for product: E30/15/7

	Nom	Tol +	Tol -	Max	Min	Unit
<b>A</b>	30.80	0.00	1.40	30.80	29.40	mm
<b>B</b>	19.50	1.00	0.00	20.50	19.50	mm
<b>C</b>	7.20	0.00	0.50	7.20	6.70	mm
<b>D</b>	15.00	0.20	0.20	15.20	14.80	mm
<b>E</b>	9.70	0.50	0.00	10.20	9.70	mm
<b>F</b>	7.30	0.00	0.50	7.30	6.80	mm

Inductance factor

Material	Value	Tol +	Tol -	Unit
3C92	1400	25%	25%	nH/turns <sup>2</sup>
3C94	1900	25%	25%	nH/turns <sup>2</sup>
3C96	1600	25%	25%	nH/turns <sup>2</sup>
3F36	1300	25%	25%	nH/turns <sup>2</sup>

Power loss: 3C92

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	2.000	W/set

Power loss: 3C94

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	2.000	W/set

Power loss: 3C96

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	1.800	W/set
400 kHz	50 mT	100 °C	0.720	W/set

Core **E30/15/7**

### Power loss: 3F36

Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	0.600	W/set
500 kHz	100 mT	100 °C	4.600	W/set

### Bsat

Measuring conditions			Material	Min	Unit
10 kHz	250 A/m	100 °C	3C92	370	mT
10 kHz	250 A/m	100 °C	3C94	320	mT
10 kHz	250 A/m	100 °C	3C96	340	mT
10 kHz	250 A/m	100 °C	3F36	340	mT

### Accessories

Ordering name	Description	Ordering code
CLA-E30/15/7	Clasp	F0MEE03015CLA0000P
CP-E30/15/7-1S	Coil former, termoplastic	F0PEE03015C000100P
CSH-E30/15/7-1S-12P-C	Coil former, termoset, horizontal	F0SEE03015CH00112P
SPR-E30/15/7	Spring	F0MEE03015SPR0000P