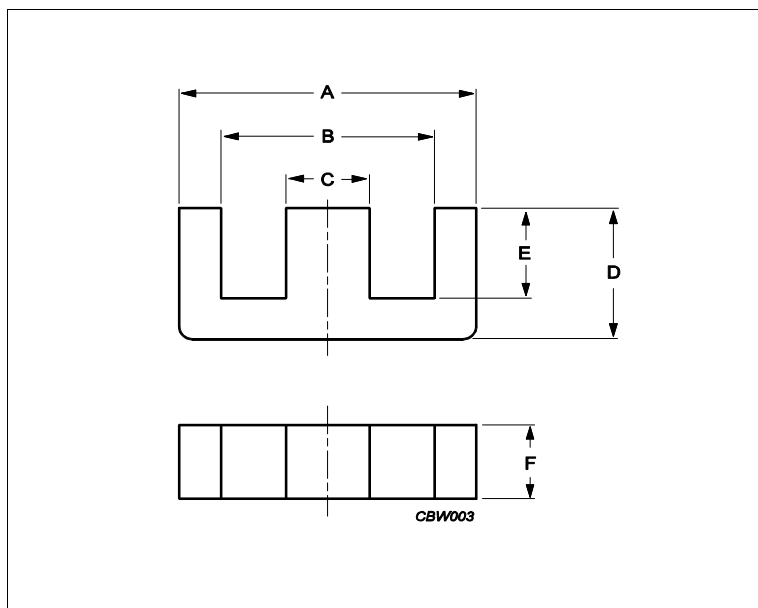


## Core **E20/10/6**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	1.45	mm <sup>-1</sup>
<b>Ve</b>	effective volume	1490	mm <sup>3</sup>
<b>Le</b>	effective length	46	mm
<b>Ae</b>	effective area	32	mm <sup>2</sup>
<b>Amin</b>	minimum area	32	mm <sup>2</sup>
<b>m</b>	E20/10/6	≈ 3.7	g/pcs

**Dimensions for product: E20/10/6**

	Nom	Tol +	Tol -	Max	Min	Unit
<b>A</b>	20.00	0.80	0.60	20.80	19.40	mm
<b>B</b>	14.10	0.80	0.00	14.90	14.10	mm
<b>C</b>	5.90	0.00	0.40	5.90	5.50	mm
<b>D</b>	10.20	0.00	0.40	10.20	9.80	mm
<b>E</b>	7.00	0.40	0.00	7.40	7.00	mm
<b>F</b>	5.90	0.00	0.50	5.90	5.40	mm

**Inductance factor**

Material	Value	Tol +	Tol -	Unit
3C92	1130	25%	25%	nH/turns <sup>2</sup>
3C94	1450	25%	25%	nH/turns <sup>2</sup>
3C96	1350	25%	25%	nH/turns <sup>2</sup>
3F36	1000	25%	25%	nH/turns <sup>2</sup>

**Power loss: 3C92**

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.740	W/set

**Power loss: 3C94**

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.740	W/set

**Power loss: 3C96**

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.670	W/set
400 kHz	50 mT	100 °C	0.270	W/set

## Core **E20/10/6**

### Power loss: 3F36

Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	0.220	W/set
500 kHz	100 mT	100 °C	1.700	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
CPCI-E20/6-1S-5P-TZ	Coil former, termoplastic, coaxial, inner	432202106771
CPCI-E20/6-1S-5P-UZ	Coil former, termoplastic, coaxial, inner	432202107001
CPCO-E20/6-1S-4P-UZ	Coil former, termoplastic, coaxial, oute	432202106991
CPCO-E20/6-1S-5P-TZ	Coil former, termoplastic, coaxial, oute	432202106781
CPH-E20/10/6-1S-8P	Coil former, termoplastic, horizontal	431202126212
CSH-E20/10/6-1S-8P-C	Coil former, termoset, horizontal	432202104081