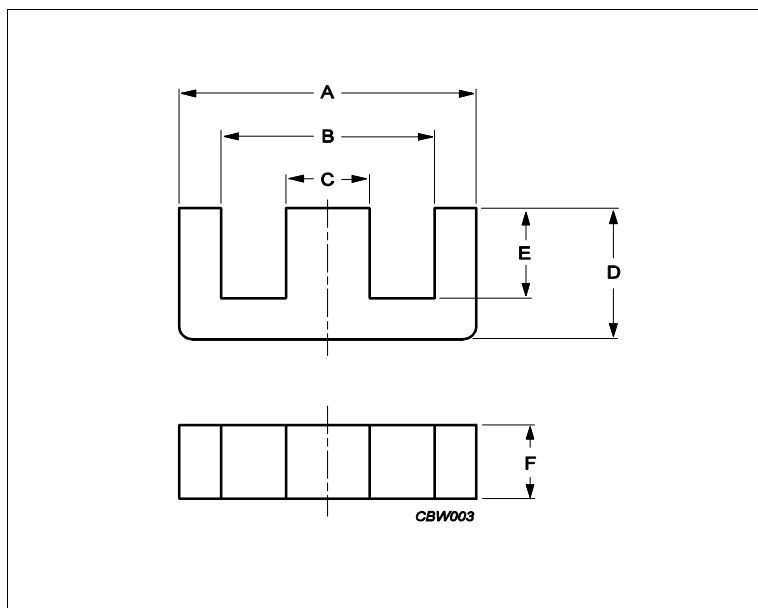


Core **E80/38/20**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.47	mm <sup>-1</sup>
<b>Ve</b>	effective volume	72300	mm <sup>3</sup>
<b>Le</b>	effective length	184	mm
<b>Ae</b>	effective area	392	mm <sup>2</sup>
<b>Amin</b>	minimum area	392	mm <sup>2</sup>
<b>m</b>	E80/38/20	≈ 180	g/pcs

Dimensions for product: E80/38/20						
	Nom	Tol +	Tol -	Max	Min	Unit
<b>A</b>	80.00	1.60	1.60	81.60	78.40	mm
<b>B</b>					59.10	mm
<b>C</b>	19.80	0.40	0.40	20.20	19.40	mm
<b>D</b>	38.10	0.30	0.30	38.40	37.80	mm
<b>E</b>	28.20	0.30	0.30	28.50	27.90	mm
<b>F</b>	19.80	0.40	0.40	20.20	19.40	mm

Inductance factor					
Material	Value	Tol +	Tol -	Unit	
3C92	3600	25%	25%	nH/turns <sup>2</sup>	
3C94	5070	25%	25%	nH/turns <sup>2</sup>	
3C95	6730	25%	25%	nH/turns <sup>2</sup>	

Power loss: 3C92					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	37.000	W/set	
Power loss: 3C94					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	37.000	W/set	
Power loss: 3C95					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	35.000	W/set	
100 kHz	200 mT	25 °C	38.000	W/set	

Core **E80/38/20**

<b>Bsat</b>					
<b>Measuring conditions</b>			<b>Material</b>	<b>Min</b>	<b>Unit</b>
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