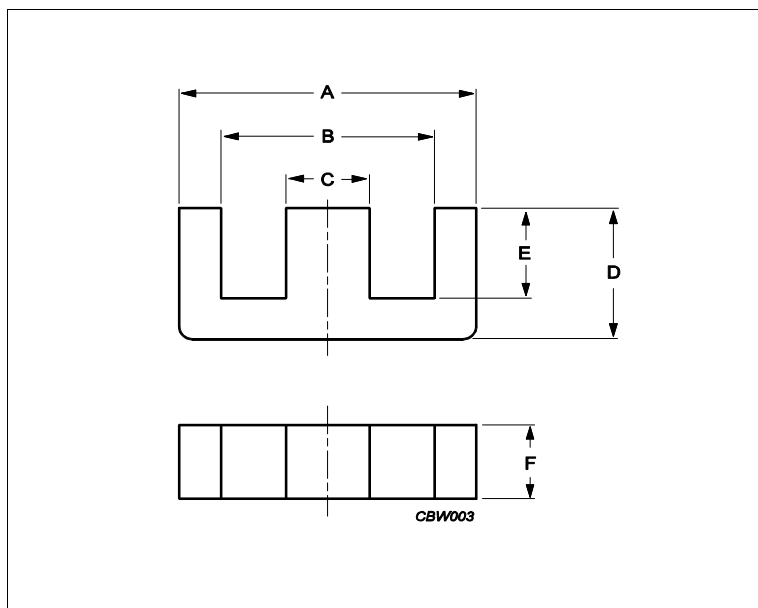
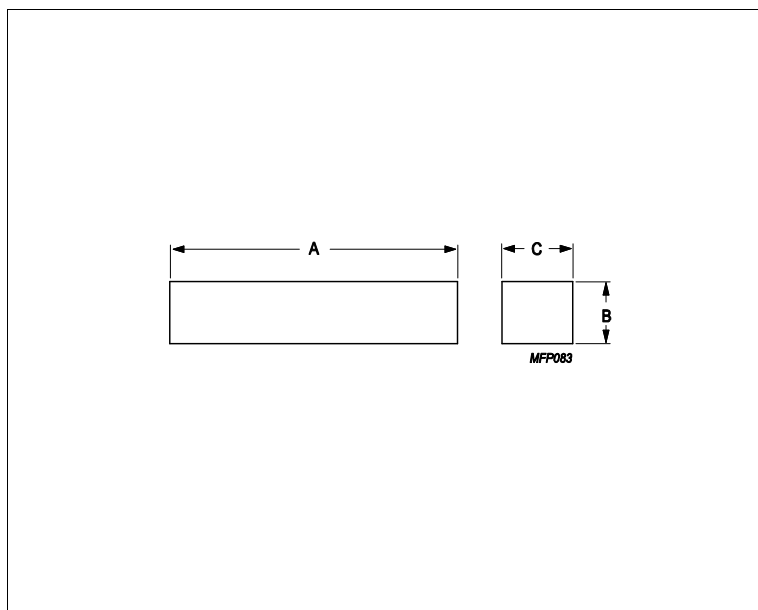


## Core **E42/21/20 + I42/20/6**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.286	mm <sup>-1</sup>
<b>Ve</b>	effective volume	15800	mm <sup>3</sup>
<b>Le</b>	effective length	67.3	mm
<b>Ae</b>	effective area	235	mm <sup>2</sup>
<b>Amin</b>	minimum area	231	mm <sup>2</sup>
<b>m</b>	E42/21/20	≈ 56	g/pcs
<b>m</b>	I42/20/6	≈ 23.6	g/pcs



Dimensions for product: E42/21/20						
	Nom	Tol +	Tol -	Max	Min	Unit
<b>A</b>	42.15	0.85	0.85	43.00	41.30	mm
<b>B</b>	30.20	0.70	0.70	30.90	29.50	mm
<b>C</b>	11.95	0.25	0.25	12.20	11.70	mm
<b>D</b>	21.00	0.20	0.20	21.20	20.80	mm
<b>E</b>	15.10	0.30	0.30	15.40	14.80	mm
<b>F</b>	19.60	0.40	0.40	20.00	19.20	mm
Dimensions for product: I42/20/6						
	Nom	Tol +	Tol -	Max	Min	Unit
<b>A</b>	42.15	0.85	0.85	43.00	41.30	mm
<b>B</b>	19.60	0.40	0.40	20.00	19.20	mm

## Core **E42/21/20 + I42/20/6**

Dimensions for product: I42/20/6						
	Nom	Tol +	Tol -	Max	Min	Unit
<b>C</b>	6.20	0.20	0.20	6.40	6.00	mm

Inductance factor					
Material	Value	Tol +	Tol -	Unit	
3C90	6900	25%	25%	nH/turns <sup>2</sup>	
3C92	5500	25%	25%	nH/turns <sup>2</sup>	

Power loss: 3C90				
Measuring conditions			Max	Unit
25 kHz	200 mT	100 °C	1.900	W/set

Power loss: 3C92				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	7.900	W/set

Bsat					
Measuring conditions			Material	Min	Unit
25 kHz	250 A/m	100 °C	3C90	320	mT
25 kHz	250 A/m	100 °C	3C92	370	mT