



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

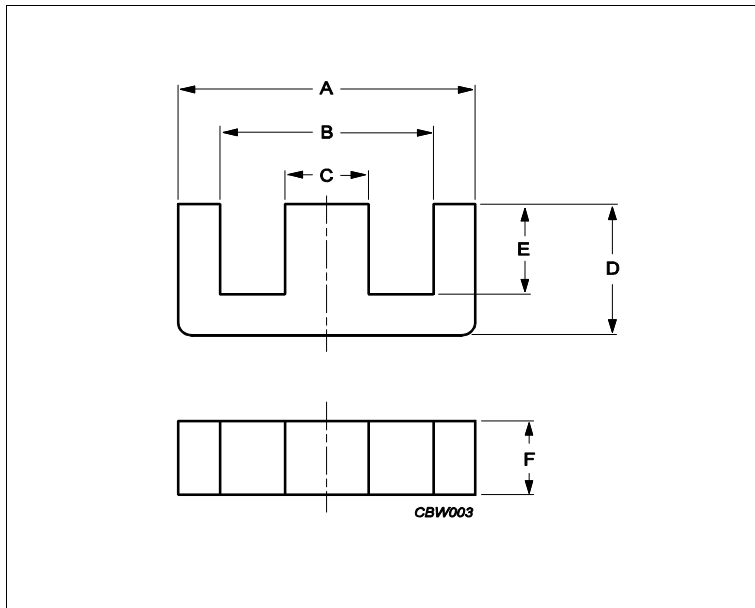
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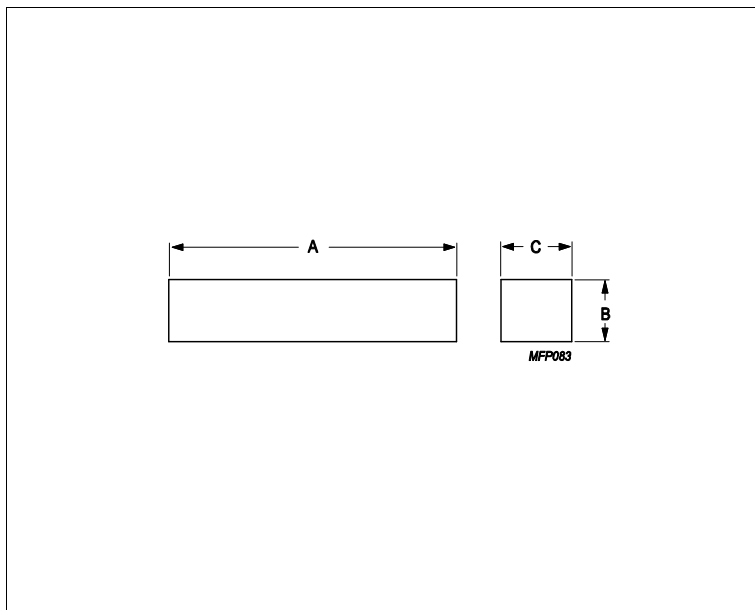
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Core **E42/21/20 + I42/20/6**



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



Dimensions for product: E42/21/20						
	Nom	Tol +	Tol -	Max	Min	Unit
A	42.15	0.85	0.85	43.00	41.30	mm
B	30.20	0.70	0.70	30.90	29.50	mm
C	11.95	0.25	0.25	12.20	11.70	mm
D	21.00	0.20	0.20	21.20	20.80	mm
E	15.10	0.30	0.30	15.40	14.80	mm
F	19.60	0.40	0.40	20.00	19.20	mm
Dimensions for product: I42/20/6						
	Nom	Tol +	Tol -	Max	Min	Unit
A	42.15	0.85	0.85	43.00	41.30	mm
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
C	6.20	0.20	0.20	6.40	6.00	mm

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

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