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!

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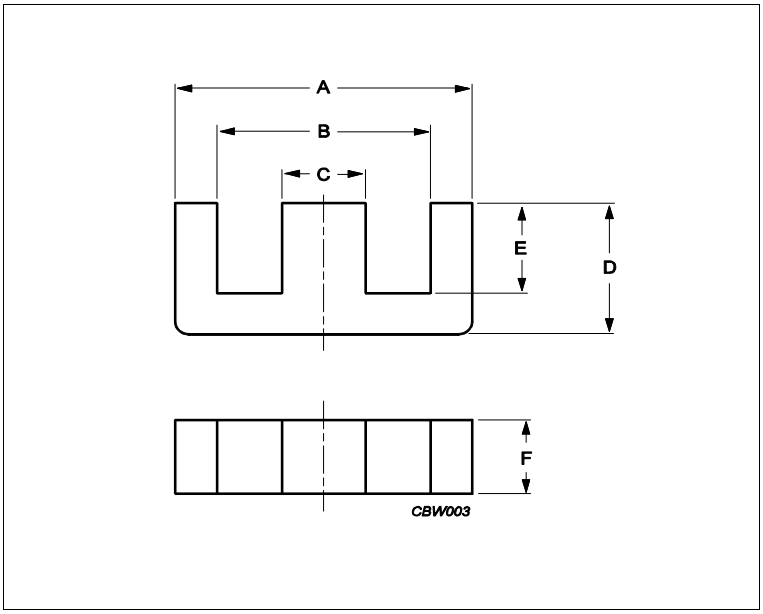
Core **E80/38/20**



Effective parameters			
	Parameter	**Value**	**Unit**
Σ(I/A)	*core factor (C1)*	0.47	mm^{-1}
Ve	*effective volume*	72300	mm^3
Le	*effective length*	184	mm
Ae	*effective area*	392	mm^2
Amin	*minimum area*	392	mm^2
m	*E80/38/20*	≈ 180	g/pcs

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

Inductance factor				
Material	**Value**	**Tol +**	**Tol -**	**Unit**
3C92	3600	25%	25%	$nH/turns^2$
3C94	5070	25%	25%	$nH/turns^2$
3C95	6730	25%	25%	$nH/turns^2$

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

Core **E80/38/20**

Bsat					
Measuring conditions			Material	Min	Unit
25 kHz	250 A/m	100 ºC	3C92	370	mT
25 kHz	250 A/m	100 ºC	3C94	320	mT
25 kHz	250 A/m	100 ºC	3C95	330	mT