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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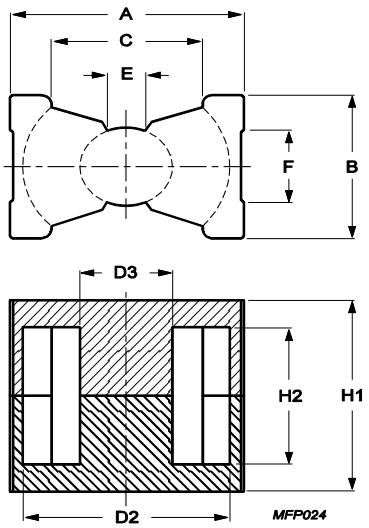
Core **PQ20/16**



Effective parameters			
	Parameter	**Value**	**Unit**
Σ(I/A)	*core factor (C1)*	0.607	mm^{-1}
Ve	*effective volume*	2330	mm^3
Le	*effective length*	37.6	mm
Ae	*effective area*	61.9	mm^2
Amin	*minimum area*	59.1	mm^2
m	*PQ20/16*	≈ 13	g/set

Dimensions for product: PQ20/16						
	Nom	**Tol +**	**Tol -**	**Max**	**Min**	**Unit**
A	21.30	0.40	0.40	21.70	20.90	mm
B	14.00	0.40	0.40	14.40	13.60	mm
C					12.00	mm
D2	18.00	0.40	0.40	18.40	17.60	mm
D3	8.80	0.20	0.20	9.00	8.60	mm
E					4.00	mm
F					7.90	mm
H1	16.20	0.20	0.20	16.40	16.00	mm
H2	10.30	0.30	0.30	10.60	10.00	mm

Inductance factor				
Material	**Value**	**Tol +**	**Tol -**	**Unit**
3C94	3600	25%	25%	$nH/turns^2$
3C95	4080	25%	25%	$nH/turns^2$
3C96	3250	25%	25%	$nH/turns^2$
3C97	4080	25%	25%	$nH/turns^2$
3F36	2300	25%	25%	$nH/turns^2$
3F46	1400	25%	25%	$nH/turns^2$

Power loss: 3C94				
Measuring conditions			**Max**	**Unit**
100 kHz	200 mT	100 ºC	1.200	W/set
Power loss: 3C95				
Measuring conditions			**Max**	**Unit**

Core **PQ20/16**

Power loss: 3C95				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 ºC	1.100	W/set
100 kHz	200 mT	25 ºC	1.200	W/set
Power loss: 3C96				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 ºC	1.000	W/set
400 kHz	50 mT	100 ºC	0.420	W/set
Power loss: 3C97				
Measuring conditions			Max	Unit
100 kHz	200 mT	60 ºC	1.200	W/set
100 kHz	200 mT	120 ºC	1.100	W/set
100 kHz	200 mT	140 ºC	1.400	W/set
Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 ºC	0.350	W/set
500 kHz	100 mT	100 ºC	2.700	W/set
Power loss: 3F46				
Measuring conditions			Max	Unit
1000 kHz	50 mT	100 ºC	0.930	W/set
3000 kHz	10 mT	100 ºC	0.520	W/set

Bsat					
Measuring conditions			Material	Min	Unit
25 kHz	250 A/m	100 ºC	3C94	320	mT
25 kHz	250 A/m	100 ºC	3C95	330	mT
25 kHz	250 A/m	100 ºC	3C96	340	mT
25 kHz	250 A/m	100 ºC	3C97	330	mT
25 kHz	250 A/m	100 ºC	3F36	340	mT
25 kHz	250 A/m	100 ºC	3F46	330	mT

Accessories		
Ordering name	Description	Ordering code
CLM/P-PQ20/16	Clamp, with ground pin	F0MPQ02016CLMP000P
CPV-PQ20/16-1S-14P-Z	Coil former, termoplastic, vertical	F0PPQ02016CV00114P