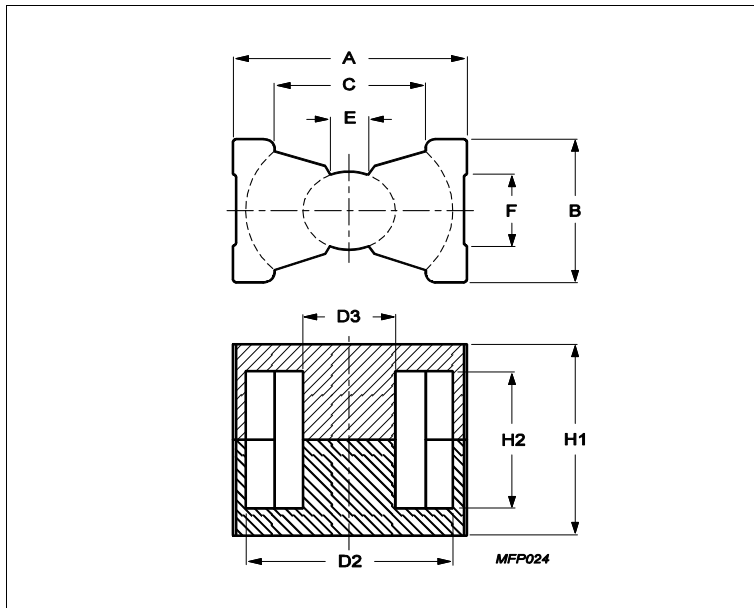


Core **PQ20/20**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.731	mm ⁻¹
Ve	effective volume	2850	mm ³
Le	effective length	45.7	mm
Ae	effective area	62.6	mm ²
Amin	minimum area	59.1	mm ²
m	PQ20/20	≈ 16	g/set

Dimensions for product: PQ20/20

	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	20.20	0.20	0.20	20.40	20.00	mm
H2	14.30	0.30	0.30	14.60	14.00	mm

Inductance factor

Material	Value	Tol +	Tol -	Unit
3C94	3150	25%	25%	nH/turns ²
3C95	3700	25%	25%	nH/turns ²
3C96	2820	25%	25%	nH/turns ²
3C97	3580	25%	25%	nH/turns ²
3F36	1900	25%	25%	nH/turns ²
3F46	1200	25%	25%	nH/turns ²

Power loss: 3C94

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	1.400	W/set

Power loss: 3C95

Measuring conditions			Max	Unit

Core **PQ20/20**

Power loss: 3C95				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	1.400	W/set
100 kHz	200 mT	25 °C	1.500	W/set
Power loss: 3C96				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	1.300	W/set
400 kHz	50 mT	100 °C	0.510	W/set
Power loss: 3C97				
Measuring conditions			Max	Unit
100 kHz	200 mT	60 °C	1.400	W/set
100 kHz	200 mT	120 °C	1.400	W/set
100 kHz	200 mT	140 °C	1.700	W/set
Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	0.430	W/set
500 kHz	100 mT	100 °C	3.300	W/set
Power loss: 3F46				
Measuring conditions			Max	Unit
1000 kHz	50 mT	100 °C	1.100	W/set
3000 kHz	10 mT	100 °C	0.640	W/set

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

Accessories		
Ordering name	Description	Ordering code
CLM/P-PQ20/20	Clamp, with ground pin	F0MPQ02020CLMP000P
CPV-PQ20/20-1S-14PD-Z	Coil former, termoplastic, vertical	F0PPQ02020CV01114P
CPV-PQ20/20-1S-14P-Z	Coil former, termoplastic, vertical	F0PPQ02020CV00114P
CSV-PQ20/20-1S-14P	Coil former, termoset, vertical	F0SPQ02020CV00114P