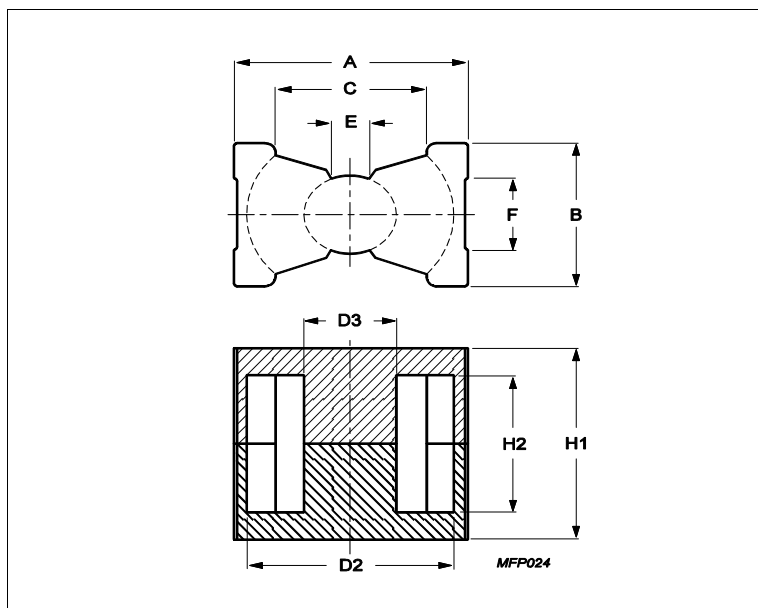


Core **PQ20/16**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	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 °C	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 °C	1.100	W/set
100 kHz	200 mT	25 °C	1.200	W/set

Power loss: 3C96

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	1.000	W/set
400 kHz	50 mT	100 °C	0.420	W/set

Power loss: 3C97

Measuring conditions			Max	Unit
100 kHz	200 mT	60 °C	1.200	W/set
100 kHz	200 mT	120 °C	1.100	W/set
100 kHz	200 mT	140 °C	1.400	W/set

Power loss: 3F36

Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	0.350	W/set
500 kHz	100 mT	100 °C	2.700	W/set

Power loss: 3F46

Measuring conditions			Max	Unit
1000 kHz	50 mT	100 °C	0.930	W/set
3000 kHz	10 mT	100 °C	0.520	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-PQ20/16	Clamp, with ground pin	F0MPQ02016CLMP000P
CPV-PQ20/16-1S-14P-Z	Coil former, termoplastic, vertical	F0PPQ02016CV00114P