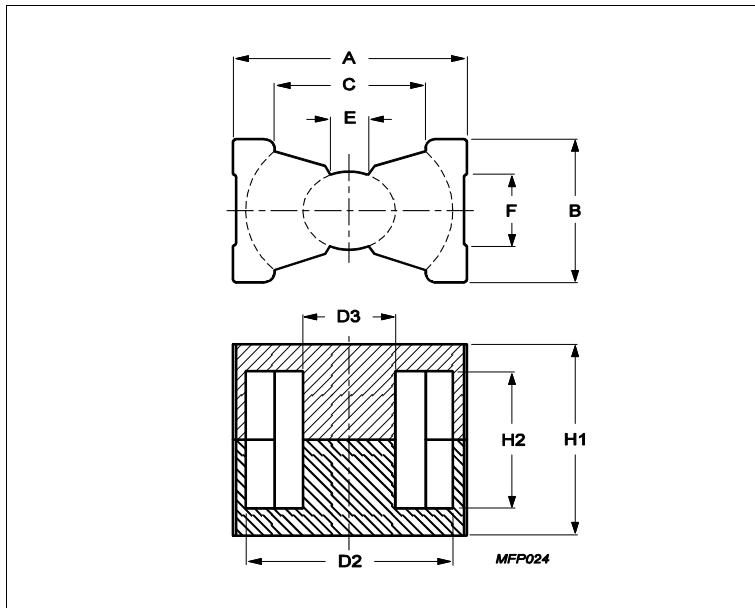


Core **PQ40/40**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.507	mm ⁻¹
Ve	effective volume	20500	mm ³
Le	effective length	102	mm
Ae	effective area	201	mm ²
Amin	minimum area	175	mm ²
m	PQ40/40	≈ 97	g/set

Dimensions for product: PQ40/40						
	Nom	Tol +	Tol -	Max	Min	Unit
A	41.50	0.90	0.90	42.40	40.60	mm
B	28.00	0.60	0.60	28.60	27.40	mm
C					28.00	mm
D2	37.00	0.60	0.60	37.60	36.40	mm
D3	14.90	0.30	0.30	15.20	14.60	mm
E					6.05	mm
F					15.00	mm
H1	39.80	0.30	0.30	40.10	39.50	mm
H2	29.50	0.40	0.40	29.90	29.10	mm

Inductance factor					
Material	Value	Tol +	Tol -	Unit	
3C94	4900	25%	25%	nH/turns ²	
3C95	6100	25%	25%	nH/turns ²	
3C96	4200	25%	25%	nH/turns ²	
3C97	6100	25%	25%	nH/turns ²	
3F36	2900	25%	25%	nH/turns ²	
3F4	2100	25%	25%	nH/turns ²	

Power loss: 3C94					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	10.000	W/set	
Power loss: 3C95					
Measuring conditions			Max	Unit	

Core **PQ40/40**

Power loss: 3C95				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	9.800	W/set
100 kHz	200 mT	25 °C	11.000	W/set
Power loss: 3C96				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	9.200	W/set
400 kHz	50 mT	100 °C	4.200	W/set
Power loss: 3C97				
Measuring conditions			Max	Unit
100 kHz	200 mT	60 °C	10.000	W/set
100 kHz	200 mT	120 °C	9.800	W/set
100 kHz	200 mT	140 °C	12.000	W/set
Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	3.200	W/set
500 kHz	100 mT	100 °C	24.000	W/set
Power loss: 3F4				
Measuring conditions			Max	Unit
1000 kHz	30 mT	100 °C	6.600	W/set
3000 kHz	10 mT	100 °C	10.000	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	3F4	330	mT

Accessories		
Ordering name	Description	Ordering code
CLM/P-PQ40/40	Clamp, with ground pin	F0MPQ04040CLMP000P
CSV-PQ40/40-1S-12P	Coil former, termoset, vertical	F0SPQ04040CV00112P