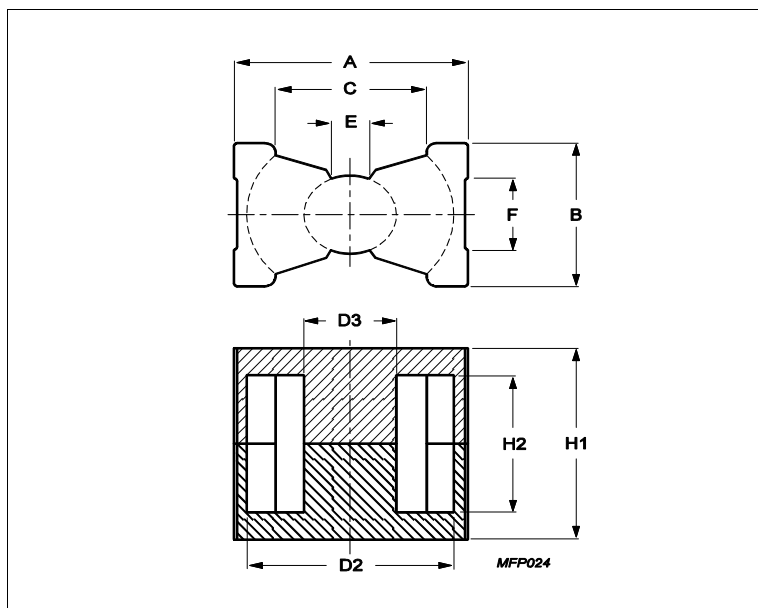


Core **PQ40/30**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.383	mm ⁻¹
Ve	effective volume	17100	mm ³
Le	effective length	81	mm
Ae	effective area	212	mm ²
Amin	minimum area	174	mm ²
m	PQ40/30	≈ 80.4	g/set

Dimensions for product: PQ40/30

	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	30.00	0.50	0.50	30.50	29.50	mm
H2	20.00	0.40	0.40	20.40	19.60	mm

Inductance factor

Material	Value	Tol +	Tol -	Unit
3C94	5700	25%	25%	nH/turns ²
3C95	7500	25%	25%	nH/turns ²
3C96	5100	25%	25%	nH/turns ²
3C97	7000	25%	25%	nH/turns ²
3F36	3500	25%	25%	nH/turns ²
3F4	2500	25%	25%	nH/turns ²

Power loss: 3C94

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	8.500	W/set

Power loss: 3C95

Measuring conditions			Max	Unit

Core **PQ40/30**

Power loss: 3C95				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	8.200	W/set
100 kHz	200 mT	25 °C	8.900	W/set
Power loss: 3C96				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	7.700	W/set
400 kHz	50 mT	100 °C	3.600	W/set
Power loss: 3C97				
Measuring conditions			Max	Unit
100 kHz	200 mT	60 °C	8.500	W/set
100 kHz	200 mT	120 °C	8.200	W/set
100 kHz	200 mT	140 °C	10.000	W/set
Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	2.800	W/set
500 kHz	100 mT	100 °C	21.000	W/set
Power loss: 3F4				
Measuring conditions			Max	Unit
1000 kHz	30 mT	100 °C	5.500	W/set
3000 kHz	10 mT	100 °C	8.500	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