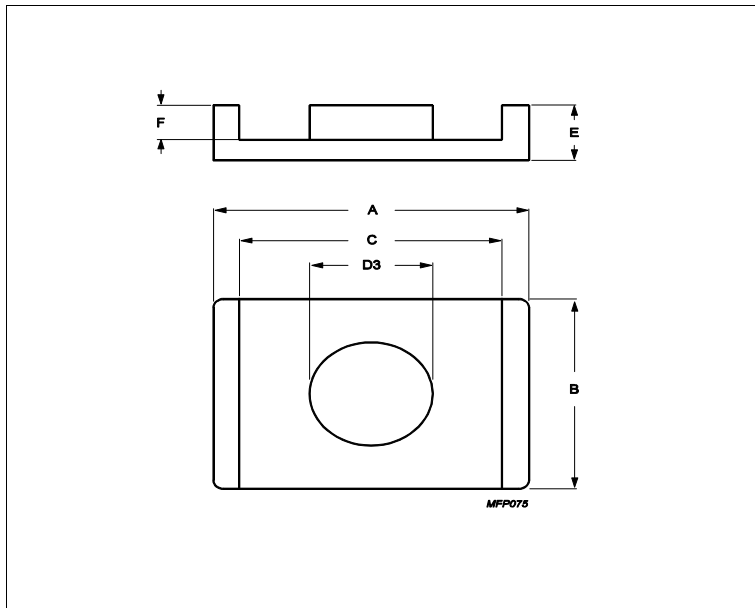


Core **ER41/7.6/32**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.253	mm ⁻¹
Ve	effective volume	12900	mm ³
Le	effective length	57	mm
Ae	effective area	225	mm ²
Amin	minimum area	201	mm ²
m	ER41/7.6/32	≈ 37	g/pcs

Dimensions for product: ER41/7.6/32						
	Nom	Tol +	Tol -	Max	Min	Unit
A	40.64	0.80	0.80	41.44	39.84	mm
B	32.00	0.60	0.60	32.60	31.40	mm
C	34.04	0.70	0.70	34.74	33.34	mm
D3	16.00	0.30	0.30	16.30	15.70	mm
E	7.60	0.10	0.10	7.70	7.50	mm
F	3.60	0.10	0.10	3.70	3.50	mm

Inductance factor					
Material	Value	Tol +	Tol -	Unit	
3C92	6500	25%	25%	nH/turns ²	
3C95	10800	25%	25%	nH/turns ²	
3C96	8100	25%	25%	nH/turns ²	
3C97	10800	25%	25%	nH/turns ²	
3F36	5400	25%	25%	nH/turns ²	
3F4	3900	25%	25%	nH/turns ²	

Power loss: 3C92					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	6.400	W/set	
Power loss: 3C95					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	6.200	W/set	
100 kHz	200 mT	25 °C	6.700	W/set	

Core **ER41/7.6/32**

Power loss: 3C96				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	5.800	W/set
400 kHz	50 mT	100 °C	2.300	W/set
Power loss: 3C97				
Measuring conditions			Max	Unit
100 kHz	200 mT	60 °C	6.400	W/set
100 kHz	200 mT	120 °C	6.200	W/set
100 kHz	200 mT	140 °C	7.700	W/set
Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	1.900	W/set
500 kHz	100 mT	100 °C	15.000	W/set
Power loss: 3F4				
Measuring conditions			Max	Unit
1000 kHz	30 mT	100 °C	3.900	W/set
3000 kHz	10 mT	100 °C	6.400	W/set

Bsat					
Measuring conditions			Material	Min	Unit
25 kHz	250 A/m	100 °C	3C92	370	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