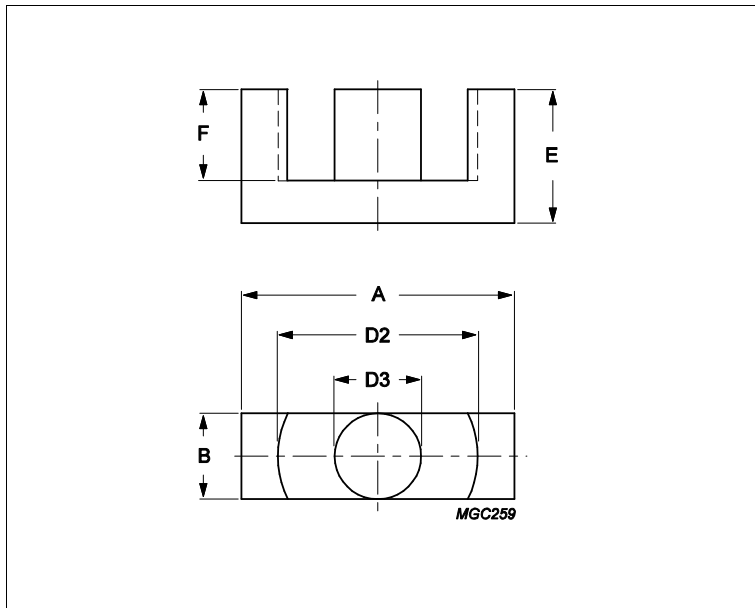


Core **ETD39/20/13**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.737	mm ⁻¹
Ve	effective volume	11500	mm ³
Le	effective length	92.2	mm
Ae	effective area	125	mm ²
Amin	minimum area	123	mm ²
m	ETD39/20/13	≈ 30	g/pcs

Dimensions for product: ETD39/20/13						
	Nom	Tol +	Tol -	Max	Min	Unit
A	40.00	0.00	1.80	40.00	38.20	mm
B	12.80	0.00	0.60	12.80	12.20	mm
D2	29.30	1.60	0.00	30.90	29.30	mm
D3	12.80	0.00	0.60	12.80	12.20	mm
E	19.80	0.20	0.20	20.00	19.60	mm
F	14.20	0.80	0.00	15.00	14.20	mm

Inductance factor					
Material	Value	Tol +	Tol -	Unit	
3C94	2900	25%	25%	nH/turns ²	
3C95	3650	25%	25%	nH/turns ²	
3C97	3650	25%	25%	nH/turns ²	
3F36	2000	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	5.800	W/set	
Power loss: 3C95					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	5.500	W/set	
100 kHz	200 mT	25 °C	6.000	W/set	
Power loss: 3C97					
Measuring conditions			Max	Unit	

Core **ETD39/20/13**

Power loss: 3C97				
Measuring conditions			Max	Unit
100 kHz	200 mT	60 °C	5.800	W/set
100 kHz	200 mT	120 °C	5.500	W/set
100 kHz	200 mT	140 °C	6.900	W/set
Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	1.700	W/set
500 kHz	100 mT	100 °C	13.000	W/set
Power loss: 3F46				
Measuring conditions			Max	Unit
1000 kHz	50 mT	100 °C	6.500	W/set
3000 kHz	10 mT	100 °C	4.200	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	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
CLI-ETD39	Clip	432202133902
CPH-ETD39-1S-16P	Coil former, termoplastic, horizontal	432202133862
CPH-ETD39-1S-16P-C	Coil former, termoplastic, horizontal	432202101651