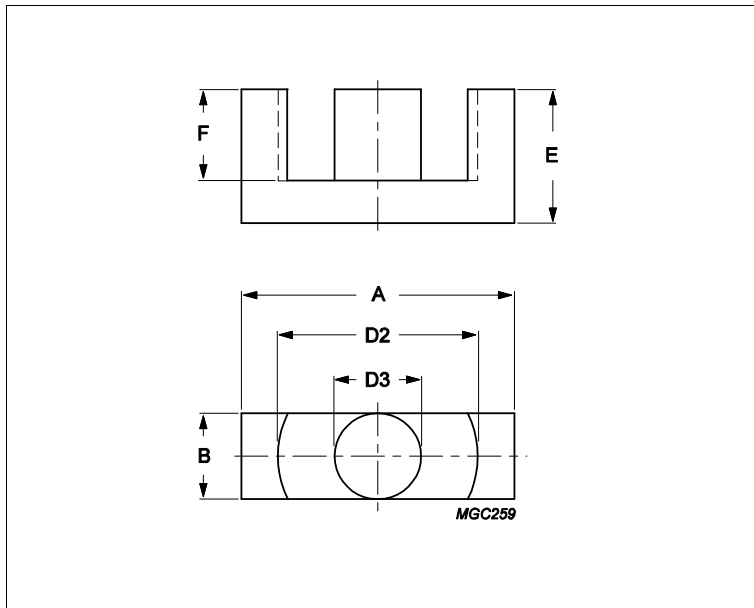


Core **ETD49/25/16**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.534	mm ⁻¹
Ve	effective volume	24000	mm ³
Le	effective length	114	mm
Ae	effective area	211	mm ²
Amin	minimum area	209	mm ²
m	ETD49/25/16	≈ 62	g/pcs

Dimensions for product: ETD49/25/16						
	Nom	Tol +	Tol -	Max	Min	Unit
A	49.80	0.00	2.20	49.80	47.60	mm
B	16.70	0.00	0.60	16.70	16.10	mm
D2	36.10	1.80	0.00	37.90	36.10	mm
D3	16.70	0.00	0.60	16.70	16.10	mm
E	24.70	0.20	0.20	24.90	24.50	mm
F	17.70	0.80	0.00	18.50	17.70	mm

Inductance factor					
Material	Value	Tol +	Tol -	Unit	
3C94	4200	25%	25%	nH/turns ²	
3C95	5140	25%	25%	nH/turns ²	
3C97	5140	25%	25%	nH/turns ²	
3F36	2800	25%	25%	nH/turns ²	

Power loss: 3C94					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	12.000	W/set	
Power loss: 3C95					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	12.000	W/set	
100 kHz	200 mT	25 °C	12.000	W/set	
Power loss: 3C97					
Measuring conditions			Max	Unit	
100 kHz	200 mT	60 °C	12.000	W/set	

Core **ETD49/25/16**

Power loss: 3C97				
Measuring conditions			Max	Unit
100 kHz	200 mT	120 °C	12.000	W/set
100 kHz	200 mT	140 °C	14.000	W/set

Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	3.900	W/set
500 kHz	100 mT	100 °C	29.000	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	3C97	330	mT
25 kHz	250 A/m	100 °C	3F36	340	mT

Accessories		
Ordering name	Description	Ordering code
CLI-ETD49	Clip	432202133922
CPH-ETD49-1S-20P	Coil former, termoplastic, horizontal	432202101671
CPH-ETD49-1S-20P	Coil former, termoplastic, horizontal	432202133882