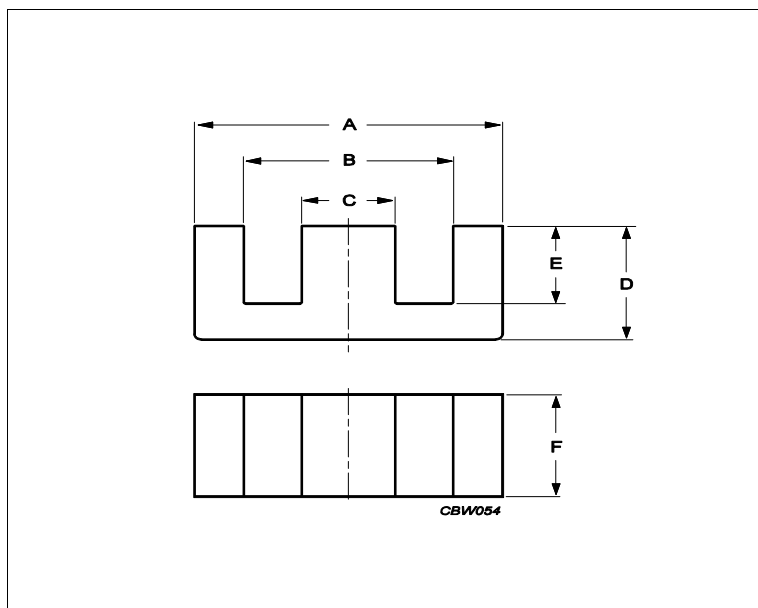


Core **E55/28/25**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.239	mm ⁻¹
Ve	effective volume	52000	mm ³
Le	effective length	123	mm
Ae	effective area	420	mm ²
Amin	minimum area	411	mm ²
m	E55/28/25	≈ 130	g/pcs

Dimensions for product: E55/28/25						
	Nom	Tol +	Tol -	Max	Min	Unit
A	56.20	0.00	2.10	56.20	54.10	mm
B	37.50	1.50	0.00	39.00	37.50	mm
C	17.20	0.00	0.50	17.20	16.70	mm
D	27.50	0.30	0.30	27.80	27.20	mm
E	18.50	0.80	0.00	19.30	18.50	mm
F	25.00	0.00	0.80	25.00	24.20	mm

Inductance factor					
Material	Value	Tol +	Tol -	Unit	
3C91	9860	25%	25%	nH/turns ²	
3C92	5800	25%	25%	nH/turns ²	
3C94	8000	25%	25%	nH/turns ²	
3C95	9860	25%	25%	nH/turns ²	
3F36	5000	25%	25%	nH/turns ²	

Power loss: 3C91					
Measuring conditions			Max	Unit	
100 kHz	200 mT	60 °C	27.000	W/set	
Power loss: 3C92					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	27.000	W/set	
Power loss: 3C94					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	27.000	W/set	

Core **E55/28/25**

Power loss: 3C95

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	25.000	W/set
100 kHz	200 mT	25 °C	27.000	W/set

Power loss: 3F36

Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	14.000	W/set
500 kHz	100 mT	100 °C	83.000	W/set

Bsat

Measuring conditions			Material	Min	Unit
25 kHz	250 A/m	100 °C	3C91	320	mT
25 kHz	250 A/m	100 °C	3C92	370	mT
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	3F36	340	mT