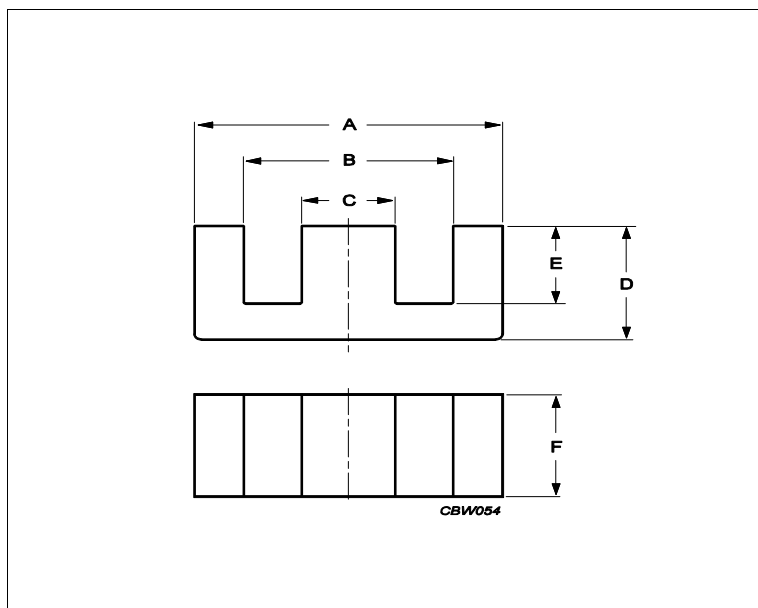


Core **E55/28/21**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.35	mm ⁻¹
Ve	effective volume	44000	mm ³
Le	effective length	124	mm
Ae	effective area	353	mm ²
Amin	minimum area	345	mm ²
m	E55/28/21	≈ 108	g/pcs

Dimensions for product: E55/28/21						
	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	21.00	0.00	0.80	21.00	20.20	mm

Inductance factor					
Material	Value	Tol +	Tol -	Unit	
3C91	8625	25%	25%	nH/turns ²	
3C92	4700	25%	25%	nH/turns ²	
3C94	6400	25%	25%	nH/turns ²	
3C95	8625	25%	25%	nH/turns ²	
3F36	4200	25%	25%	nH/turns ²	

Power loss: 3C91					
Measuring conditions			Max	Unit	
100 kHz	200 mT	60 °C	22.000	W/set	
Power loss: 3C92					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	22.000	W/set	
Power loss: 3C94					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	22.000	W/set	

Core **E55/28/21**

Power loss: 3C95				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	21.000	W/set
100 kHz	200 mT	25 °C	23.000	W/set

Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	10.000	W/set
500 kHz	100 mT	100 °C	64.000	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

Accessories		
Ordering name	Description	Ordering code
CLA-E55/28/21	Clasp	431202126091
CP-E55/28/21-1S	Coil former, termoplastic	431202128713
CP-E55/28/21-1S-A	Coil former, termoplastic	433500027031
CPH-E55/28/21-1S-22P-Z	Coil former, termoplastic, horizontal	432202106791
SPR-E55/28/21	Spring	431202126131

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