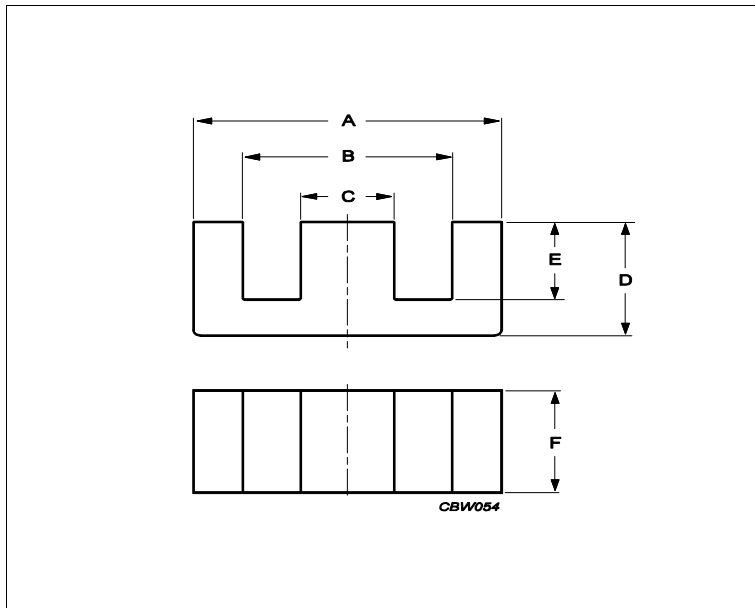


## Core **E55/28/21**



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

Dimensions for product: E55/28/21						
	Nom	Tol +	Tol -	Max	Min	Unit
<b>A</b>	56.20	0.00	2.10	56.20	54.10	mm
<b>B</b>	37.50	1.50	0.00	39.00	37.50	mm
<b>C</b>	17.20	0.00	0.50	17.20	16.70	mm
<b>D</b>	27.50	0.30	0.30	27.80	27.20	mm
<b>E</b>	18.50	0.80	0.00	19.30	18.50	mm
<b>F</b>	21.00	0.00	0.80	21.00	20.20	mm

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

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