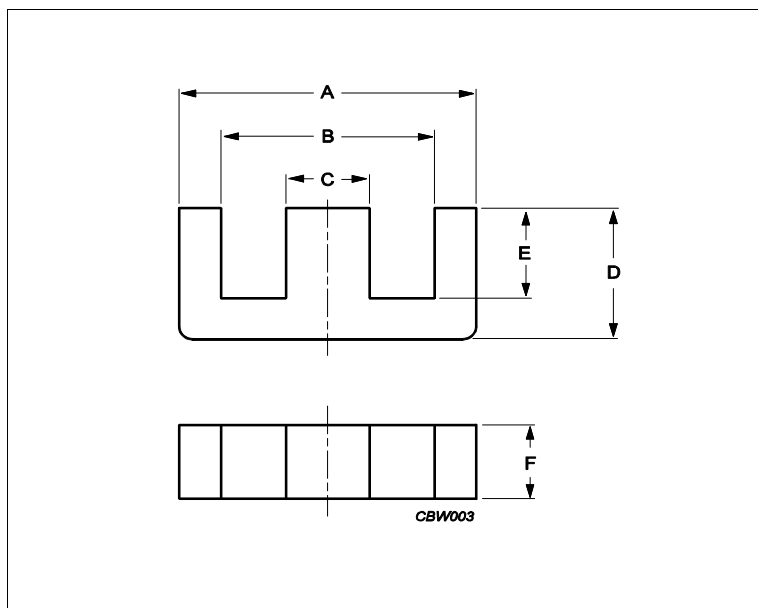


Core **E80/38/20**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.47	mm ⁻¹
Ve	effective volume	72300	mm ³
Le	effective length	184	mm
Ae	effective area	392	mm ²
Amin	minimum area	392	mm ²
m	E80/38/20	≈ 180	g/pcs

Dimensions for product: E80/38/20

	Nom	Tol +	Tol -	Max	Min	Unit
A	80.00	1.60	1.60	81.60	78.40	mm
B					59.10	mm
C	19.80	0.40	0.40	20.20	19.40	mm
D	38.10	0.30	0.30	38.40	37.80	mm
E	28.20	0.30	0.30	28.50	27.90	mm
F	19.80	0.40	0.40	20.20	19.40	mm

Inductance factor

Material	Value	Tol +	Tol -	Unit
3C92	3600	25%	25%	nH/turns ²
3C94	5070	25%	25%	nH/turns ²
3C95	6730	25%	25%	nH/turns ²

Power loss: 3C92

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	37.000	W/set

Power loss: 3C94

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	37.000	W/set

Power loss: 3C95

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	35.000	W/set
100 kHz	200 mT	25 °C	38.000	W/set

Core **E80/38/20**

Bsat					
Measuring conditions			Material	Min	Unit
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