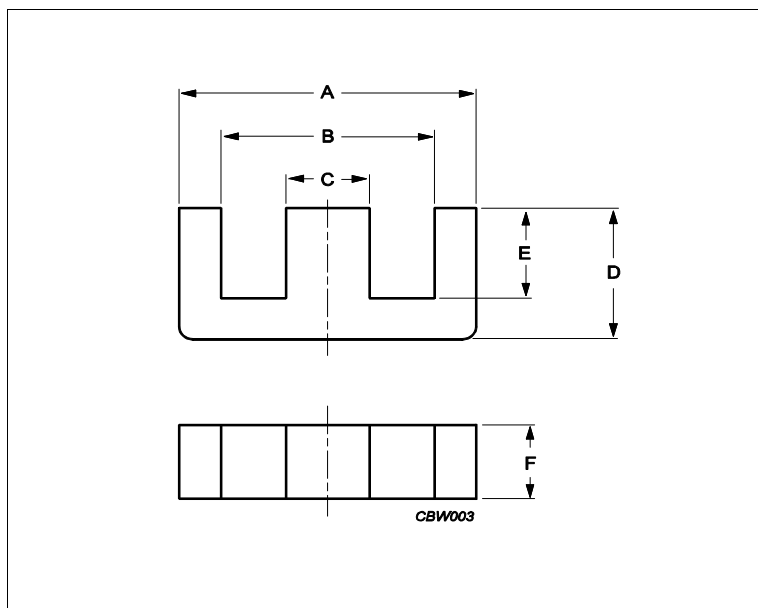


Core **E16/8/5**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	1.87	mm ⁻¹
Ve	effective volume	750	mm ³
Le	effective length	37.6	mm
Ae	effective area	20.1	mm ²
Amin	minimum area	19.3	mm ²
m	E16/8/5	≈ 2	g/pcs

Dimensions for product: E16/8/5

	Nom	Tol +	Tol -	Max	Min	Unit
A	16.00	0.70	0.50	16.70	15.50	mm
B	11.30	0.60	0.00	11.90	11.30	mm
C	4.70	0.00	0.30	4.70	4.40	mm
D	8.20	0.00	0.30	8.20	7.90	mm
E	5.70	0.40	0.00	6.10	5.70	mm
F	4.70	0.00	0.40	4.70	4.30	mm

Inductance factor

Material	Value	Tol +	Tol -	Unit
3C92	840	25%	25%	nH/turns ²
3C94	1100	25%	25%	nH/turns ²
3C96	980	25%	25%	nH/turns ²
3F36	740	25%	25%	nH/turns ²

Power loss: 3C92

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.380	W/set

Power loss: 3C94

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.380	W/set

Power loss: 3C96

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.340	W/set
400 kHz	50 mT	100 °C	0.130	W/set

Core **E16/8/5**

Power loss: 3F36

Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	0.110	W/set
500 kHz	100 mT	100 °C	0.860	W/set

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	3C96	340	mT
25 kHz	250 A/m	100 °C	3F36	340	mT

Accessories

Ordering name	Description	Ordering code
CP-E16/8/5-1S	Coil former, termoplastic	432202104391
CPH-E16/8/5-1S-6P-Z	Coil former, termoplastic, horizontal	432202106271
CSH-E16/5-1S-9P	Coil former, termoset, horizontal	432202102761
CSH-E16/8/5-1S-6P-C	Coil former, termoset, horizontal	432202104071