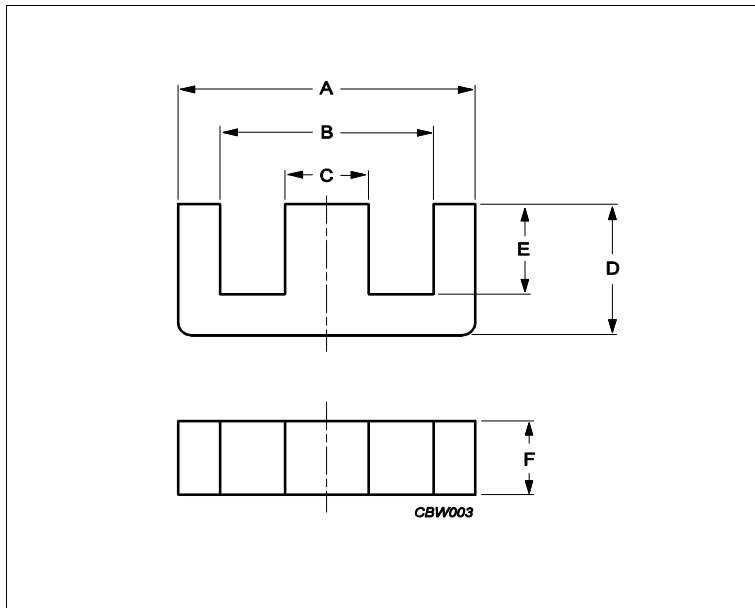


Core **E19/8/5**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	1.77	mm ⁻¹
Ve	effective volume	900	mm ³
Le	effective length	39.9	mm
Ae	effective area	22.6	mm ²
Amin	minimum area	22.1	mm ²
m	E19/8/5	≈ 2.3	g/pcs

Dimensions for product: E19/8/5

	Nom	Tol +	Tol -	Max	Min	Unit
A	19.10	0.40	0.40	19.50	18.70	mm
B	14.30	0.30	0.30	14.60	14.00	mm
C	4.70	0.13	0.13	4.83	4.57	mm
D	8.10	0.13	0.13	8.23	7.97	mm
E	5.70	0.13	0.13	5.83	5.57	mm
F	4.70	0.13	0.13	4.83	4.57	mm

Inductance factor

Material	Value	Tol +	Tol -	Unit
3C92	900	25%	25%	nH/turns ²
3C94	1170	25%	25%	nH/turns ²
3C96	1000	25%	25%	nH/turns ²
3F36	800	25%	25%	nH/turns ²

Power loss: 3C92

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.450	W/set

Power loss: 3C94

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.450	W/set

Power loss: 3C96

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.400	W/set
400 kHz	50 mT	100 °C	0.160	W/set

Core **E19/8/5**

Power loss: 3F36

Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	0.130	W/set
500 kHz	100 mT	100 °C	1.000	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
CPH-E19/8/5-1S-8PD-Z	Coil former, termoplastic, horizontal	433506027051
CPH-E19/8/5-2S-4P-C	Coil former, termoplastic, horizontal	432202104411
CPH-E19/8/5-4S-10P	Coil former, termoplastic, horizontal	432202104131