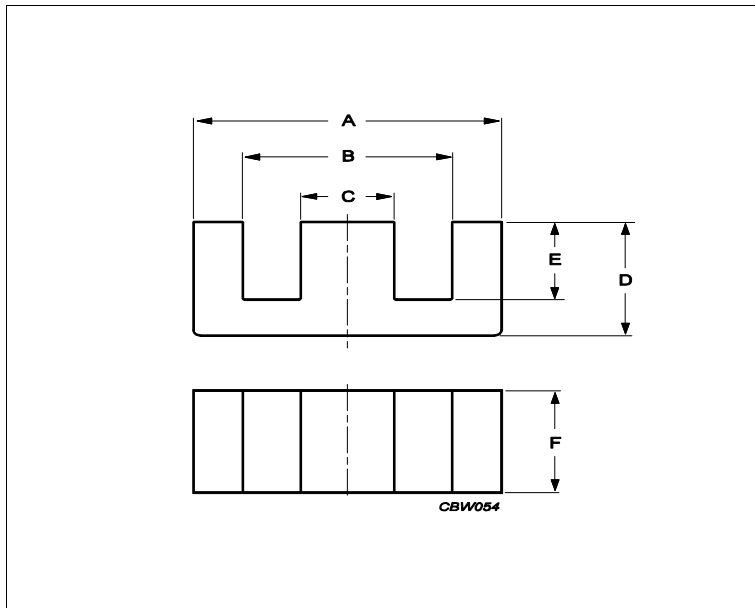


Core **E19/8/9**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.96	mm ⁻¹
Ve	effective volume	1650	mm ³
Le	effective length	39.9	mm
Ae	effective area	41.3	mm ²
Amin	minimum area	41.1	mm ²
m	E19/8/9	≈ 4	g/pcs

Dimensions for product: E19/8/9						
	Nom	Tol +	Tol -	Max	Min	Unit
A	19.05	0.38	0.38	19.43	18.67	mm
B	14.33	0.30	0.30	14.63	14.03	mm
C	4.75	0.13	0.13	4.88	4.62	mm
D	8.05	0.13	0.13	8.18	7.92	mm
E	5.69	0.13	0.13	5.82	5.56	mm
F	8.71	0.13	0.13	8.84	8.58	mm

Inductance factor					
Material	Value	Tol +	Tol -	Unit	
3C92	1640	25%	25%	nH/turns ²	
3C94	2150	25%	25%	nH/turns ²	
3C96	1830	25%	25%	nH/turns ²	
3F36	1500	25%	25%	nH/turns ²	

Power loss: 3C92					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	0.820	W/set	
Power loss: 3C94					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	0.820	W/set	
Power loss: 3C96					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	0.740	W/set	
400 kHz	50 mT	100 °C	0.300	W/set	

Core **E19/8/9**

Power loss: 3F36

Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	0.250	W/set
500 kHz	100 mT	100 °C	1.900	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