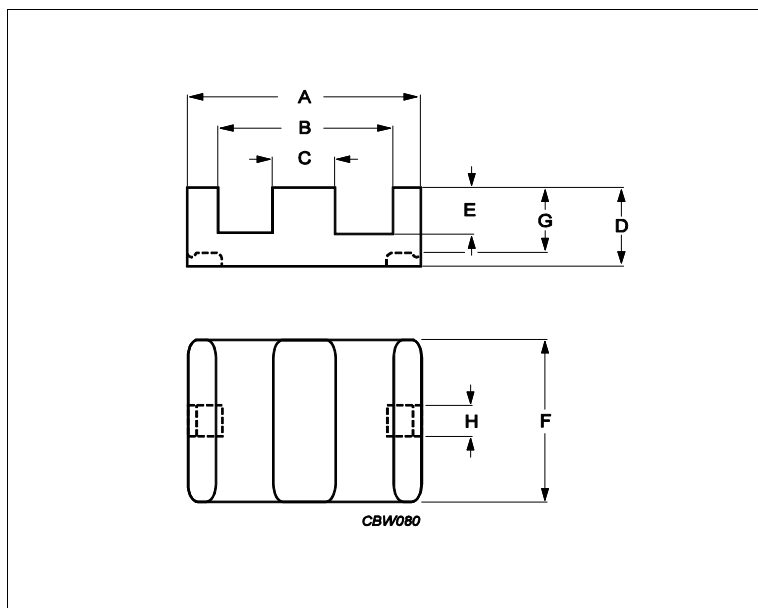
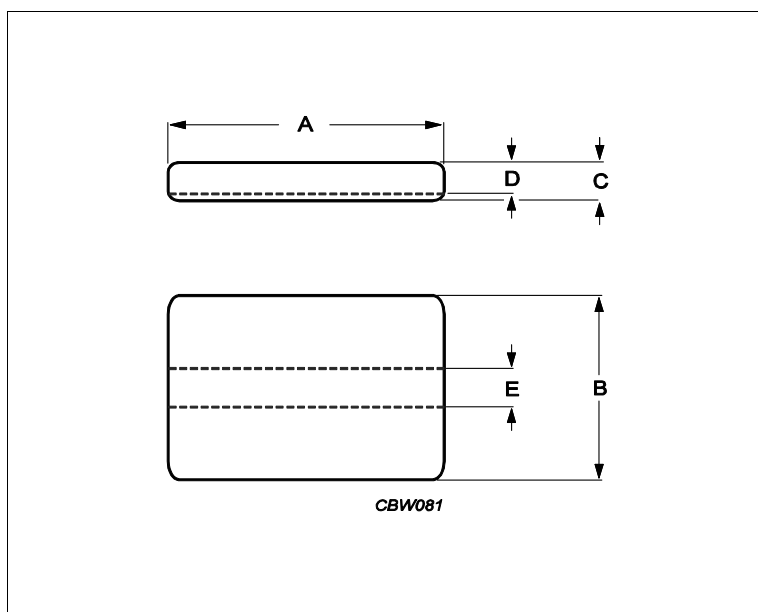


Core **E18/4/10/R + PLT18/10/2/S**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.498	mm ⁻¹
Ve	effective volume	830	mm ³
Le	effective length	20.3	mm
Ae	effective area	39.5	mm ²
Amin	minimum area	35.9	mm ²
m	E18/4/10/R	≈ 2.4	g/pcs
m	PLT18/10/2/S	≈ 1.7	g/pcs



Dimensions for product: E18/4/10/R						
	Nom	Tol +	Tol -	Max	Min	Unit
A	18.00	0.35	0.35	18.35	17.65	mm
B	14.00	0.30	0.30	14.30	13.70	mm
C	4.00	0.10	0.10	4.10	3.90	mm
D	4.00	0.10	0.10	4.10	3.90	mm
E	2.00	0.10	0.10	2.10	1.90	mm
F	10.00	0.20	0.20	10.20	9.80	mm
G	3.30	0.15	0.15	3.45	3.15	mm
H	2.50	0.20	0.00	2.70	2.50	mm
Dimensions for product: PLT18/10/2/S						
	Nom	Tol +	Tol -	Max	Min	Unit

Core **E18/4/10/R + PLT18/10/2/S**

Dimensions for product: PLT18/10/2/S						
	Nom	Tol +	Tol -	Max	Min	Unit
A	18.00	0.35	0.35	18.35	17.65	mm
B	10.00	0.20	0.20	10.20	9.80	mm
C	2.40	0.05	0.05	2.45	2.35	mm
D	2.00	0.10	0.10	2.10	1.90	mm
E	2.50	0.20	0.00	2.70	2.50	mm

Inductance factor					
Material	Value	Tol +	Tol -	Unit	
3C92	2690	25%	25%	nH/turns ²	
3C95	4340	25%	25%	nH/turns ²	
3C96	3250	25%	25%	nH/turns ²	
3C97	4340	25%	25%	nH/turns ²	
3F36	2700	25%	25%	nH/turns ²	
3F46	1500	25%	25%	nH/turns ²	
4F1	190	25%	25%	nH/turns ²	

Power loss: 3C92					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	0.410	W/set	
Power loss: 3C95					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	0.400	W/set	
100 kHz	200 mT	25 °C	0.430	W/set	
Power loss: 3C96					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	0.370	W/set	
400 kHz	50 mT	100 °C	0.150	W/set	
Power loss: 3C97					
Measuring conditions			Max	Unit	
100 kHz	200 mT	60 °C	0.410	W/set	
100 kHz	200 mT	120 °C	0.400	W/set	
100 kHz	200 mT	140 °C	0.500	W/set	
Power loss: 3F36					
Measuring conditions			Max	Unit	
500 kHz	50 mT	100 °C	0.120	W/set	
500 kHz	100 mT	100 °C	0.950	W/set	
Power loss: 3F46					
Measuring conditions			Max	Unit	
1000 kHz	50 mT	100 °C	0.330	W/set	
3000 kHz	10 mT	100 °C	0.100	W/set	

Core **E18/4/10/R + PLT18/10/2/S**

Bsat					
Measuring conditions			Material	Min	Unit
25 kHz	250 A/m	100 °C	3C92	370	mT
25 kHz	250 A/m	100 °C	3C95	330	mT
25 kHz	250 A/m	100 °C	3C96	340	mT
25 kHz	250 A/m	100 °C	3C97	330	mT
25 kHz	250 A/m	100 °C	3F36	340	mT
25 kHz	250 A/m	100 °C	3F46	330	mT

Accessories		
Ordering name	Description	Ordering code
CLM-E18/PLT18	Clamp	432202101621
CLM-E18-7.5	Clamp for E+E	432202102781