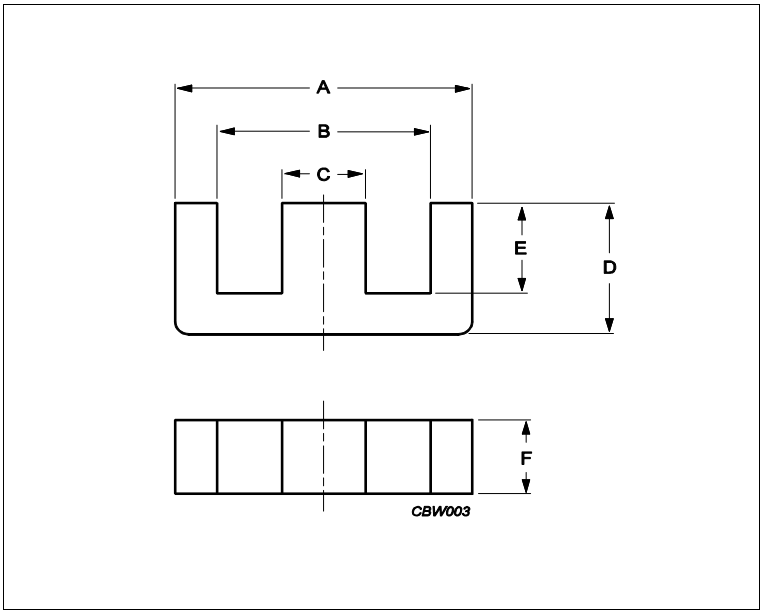
Core **E25/10/6**



Effective parameters			
	Parameter	**Value**	**Unit**
Σ(I/A)	*core factor (C1)*	1.24	mm^{-1}
Ve	*effective volume*	1930	mm^3
Le	*effective length*	49	mm
Ae	*effective area*	39.5	mm^2
Amin	*minimum area*	37	mm^2
m	*E25/10/6*	≈ 4.8	g/pcs

Dimensions for product: E25/10/6						
	Nom	**Tol +**	**Tol -**	**Max**	**Min**	**Unit**
A	25.40	0.60	0.60	26.00	24.80	mm
B					18.80	mm
C	6.35	0.25	0.25	6.60	6.10	mm
D	9.65	0.20	0.20	9.85	9.45	mm
E					6.40	mm
F	6.35	0.25	0.25	6.60	6.10	mm

Inductance factor				
Material	**Value**	**Tol +**	**Tol -**	**Unit**
3C92	1320	25%	25%	$nH/turns^2$
3C94	1600	25%	25%	$nH/turns^2$
3C96	1470	25%	25%	$nH/turns^2$
3F36	1200	25%	25%	$nH/turns^2$

Power loss: 3C92				
Measuring conditions			**Max**	**Unit**
100 kHz	200 mT	100 ºC	0.960	W/set
Power loss: 3C94				
Measuring conditions			**Max**	**Unit**
100 kHz	200 mT	100 ºC	0.960	W/set
Power loss: 3C96				
Measuring conditions			**Max**	**Unit**
100 kHz	200 mT	100 ºC	0.870	W/set
400 kHz	50 mT	100 ºC	0.350	W/set

Core **E25/10/6**

Power loss: 3F36				
Measuring conditions			**Max**	**Unit**
500 kHz	50 mT	100 ºC	0.290	W/set
500 kHz	100 mT	100 ºC	2.200	W/set

Bsat					
Measuring conditions			**Material**	**Min**	**Unit**
25 kHz	250 A/m	100 ºC	3C92	370	mT
25 kHz	250 A/m	100 ºC	3C94	320	mT
25 kHz	250 A/m	100 ºC	3C96	340	mT
25 kHz	250 A/m	100 ºC	3F36	340	mT

Accessories		
Ordering name	**Description**	**Ordering code**
CLM-E25/10/6	Clamp	433500042981
CP-E25/10/6-1S	Coil former, termoplastic	433500026961
CPH-E25/10/6-1S-10PD-C	Coil former, termoplastic, horizontal	432202127071