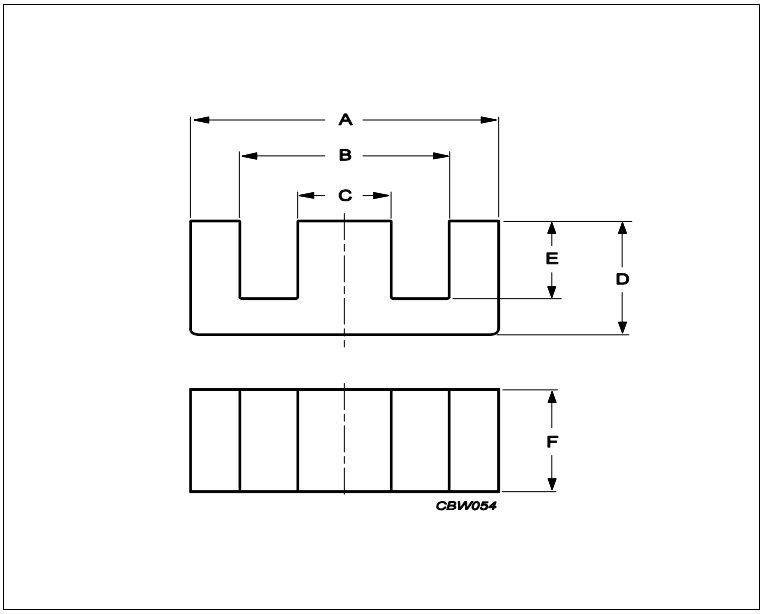
Core **E56/24/19**



Effective parameters			
	Parameter	**Value**	**Unit**
Σ(I/A)	*core factor (C1)*	0.32	mm^{-1}
Ve	*effective volume*	36000	mm^3
Le	*effective length*	107	mm
Ae	*effective area*	337	mm^2
Amin	*minimum area*	337	mm^2
m	*E56/24/19*	≈ 90	g/pcs

Dimensions for product: E56/24/19						
	Nom	**Tol +**	**Tol -**	**Max**	**Min**	**Unit**
A	56.10	1.00	1.00	57.10	55.10	mm
B					38.10	mm
C	18.80	0.25	0.25	19.05	18.55	mm
D	23.60	0.25	0.25	23.85	23.35	mm
E	14.60	0.13	0.13	14.73	14.47	mm
F	18.80	0.25	0.25	19.05	18.55	mm

Inductance factor				
Material	**Value**	**Tol +**	**Tol -**	**Unit**
3C91	9500	25%	25%	$nH/turns^2$
3C92	5200	25%	25%	$nH/turns^2$
3C94	6900	25%	25%	$nH/turns^2$
3C95	9500	25%	25%	$nH/turns^2$

Power loss: 3C91				
Measuring conditions			**Max**	**Unit**
100 kHz	200 mT	60 ºC	18.000	W/set
Power loss: 3C92				
Measuring conditions			**Max**	**Unit**
100 kHz	200 mT	100 ºC	18.000	W/set
Power loss: 3C94				
Measuring conditions			**Max**	**Unit**
100 kHz	200 mT	100 ºC	18.000	W/set

Core **E56/24/19**

Power loss: 3C95				
Measuring conditions			**Max**	**Unit**
100 kHz	200 mT	100 ºC	17.000	W/set
100 kHz	200 mT	25 ºC	19.000	W/set

Bsat					
Measuring conditions			**Material**	**Min**	**Unit**
25 kHz	250 A/m	100 ºC	3C91	320	mT
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	3C95	330	mT

Accessories		
Ordering name	**Description**	**Ordering code**
CPH-E56/24/19-1S-12PD-Z	Coil former, termoplastic, horizontal	433506027151