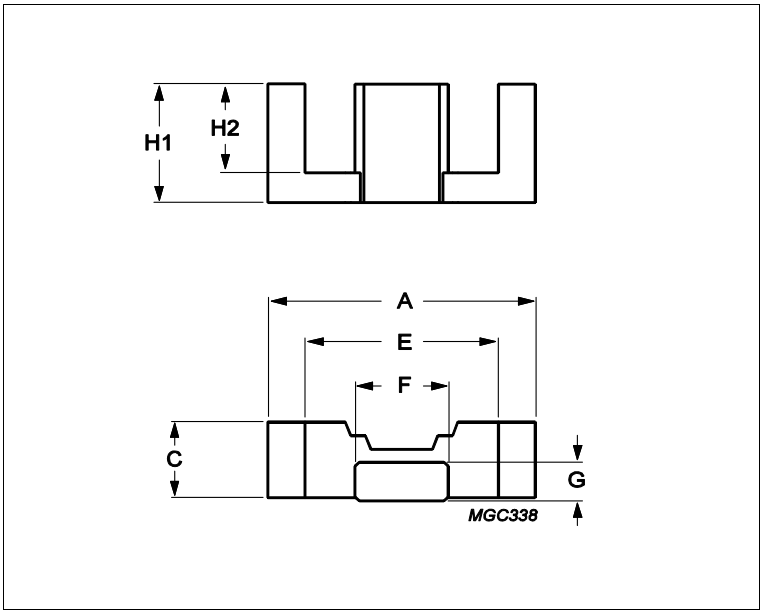
Core **EFD10/5/3**



Effective parameters			
	Parameter	**Value**	**Unit**
Σ(I/A)	*core factor (C1)*	3.29	mm^{-1}
Ve	*effective volume*	171	mm^3
Le	*effective length*	23.7	mm
Ae	*effective area*	7.2	mm^2
Amin	*minimum area*	6.5	mm^2
m	*EFD10/5/3*	≈ 0.45	g/pcs

Dimensions for product: EFD10/5/3						
	Nom	**Tol +**	**Tol -**	**Max**	**Min**	**Unit**
A	10.50	0.30	0.30	10.80	10.20	mm
C	2.70	0.10	0.10	2.80	2.60	mm
E	7.65	0.25	0.25	7.90	7.40	mm
F	4.55	0.15	0.15	4.70	4.40	mm
G	1.45	0.05	0.05	1.50	1.40	mm
H1	5.20	0.10	0.10	5.30	5.10	mm
H2	3.75	0.15	0.15	3.90	3.60	mm

Inductance factor				
Material	**Value**	**Tol +**	**Tol -**	**Unit**
3C95	700	25%	25%	$nH/turns^2$
3C96	525	25%	25%	$nH/turns^2$
3F36	390	25%	25%	$nH/turns^2$
3F46	250	25%	25%	$nH/turns^2$

Power loss: 3C95				
Measuring conditions			**Max**	**Unit**
100 kHz	200 mT	100 ºC	0.082	W/set
100 kHz	200 mT	25 ºC	0.089	W/set
Power loss: 3C96				
Measuring conditions			**Max**	**Unit**
100 kHz	200 mT	100 ºC	0.077	W/set
400 kHz	50 mT	100 ºC	0.031	W/set

Core **EFD10/5/3**

Power loss: 3F36				
Measuring conditions			**Max**	**Unit**
500 kHz	50 mT	100 ºC	0.026	W/set
500 kHz	100 mT	100 ºC	0.200	W/set
Power loss: 3F46				
Measuring conditions			**Max**	**Unit**
1000 kHz	50 mT	100 ºC	0.068	W/set
3000 kHz	10 mT	100 ºC	0.016	W/set

Bsat					
Measuring conditions			**Material**	**Min**	**Unit**
25 kHz	250 A/m	100 ºC	3C95	330	mT
25 kHz	250 A/m	100 ºC	3C96	340	mT
25 kHz	250 A/m	100 ºC	3F36	340	mT
25 kHz	250 A/m	100 ºC	3F46	330	mT

Accessories		
Ordering name	**Description**	**Ordering code**
CLM-EFD10	Clamp	432202100901
CPHS-EFD10-1S-8P	Coil former, termoplastic, horizontal, S	432202100561