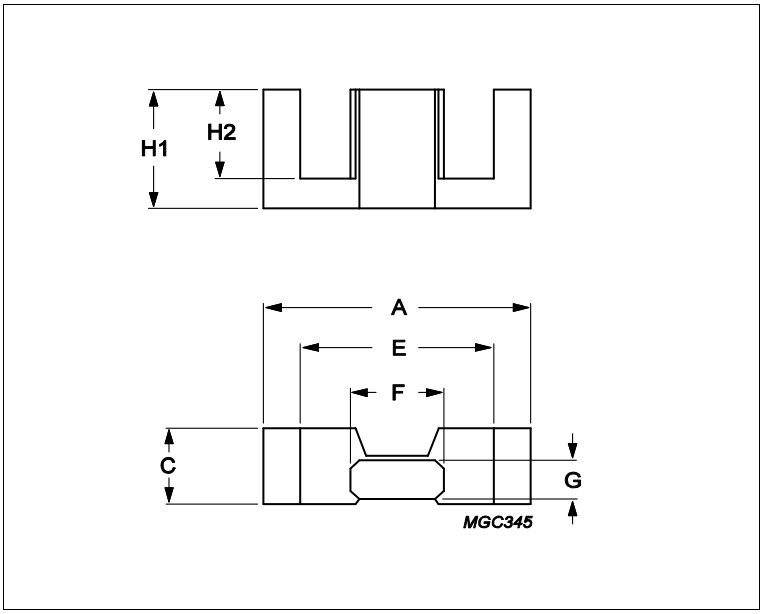
Core **EFD30/15/9**



Effective parameters			
	Parameter	**Value**	**Unit**
Σ(I/A)	*core factor (C1)*	0.98	mm^{-1}
Ve	*effective volume*	4700	mm^3
Le	*effective length*	68	mm
Ae	*effective area*	69	mm^2
Amin	*minimum area*	66	mm^2
m	*EFD30/15/9*	≈ 12	g/pcs

Dimensions for product: EFD30/15/9						
	Nom	**Tol +**	**Tol -**	**Max**	**Min**	**Unit**
A	30.00	0.80	0.80	30.80	29.20	mm
C	9.10	0.20	0.20	9.30	8.90	mm
E	22.40	0.75	0.75	23.15	21.65	mm
F	14.60	0.25	0.25	14.85	14.35	mm
G	4.90	0.15	0.15	5.05	4.75	mm
H1	15.00	0.15	0.15	15.15	14.85	mm
H2	11.20	0.30	0.30	11.50	10.90	mm

Inductance factor				
Material	**Value**	**Tol +**	**Tol -**	**Unit**
3C95	2520	25%	25%	$nH/turns^2$
3C96	1900	25%	25%	$nH/turns^2$
3F36	1500	25%	25%	$nH/turns^2$
3F46	900	25%	25%	$nH/turns^2$

Power loss: 3C95				
Measuring conditions			**Max**	**Unit**
100 kHz	200 mT	100 ºC	2.300	W/set
100 kHz	200 mT	25 ºC	2.400	W/set
Power loss: 3C96				
Measuring conditions			**Max**	**Unit**
100 kHz	200 mT	100 ºC	2.100	W/set
400 kHz	50 mT	100 ºC	0.850	W/set

Core **EFD30/15/9**

Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 ºC	0.700	W/set
500 kHz	100 mT	100 ºC	5.400	W/set
Power loss: 3F46				
Measuring conditions			**Max**	**Unit**
1000 kHz	50 mT	100 ºC	2.000	W/set
3000 kHz	10 mT	100 ºC	1.100	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**
CLI-EFD30	Clip	432202135171
CSH-EFD30-1S-12P-IZ	Coil former, termoset, horizontal	432202106951
CSH-EFD30-1S-12P-TZ	Coil former, termoset, horizontal	432202106311