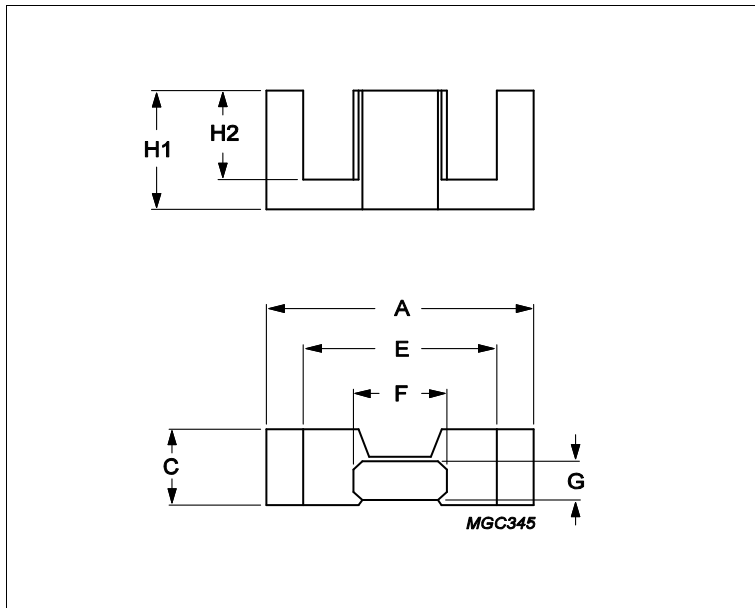


Core **EFD30/15/9**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	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 °C	2.300	W/set	
100 kHz	200 mT	25 °C	2.400	W/set	
Power loss: 3C96					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	2.100	W/set	
400 kHz	50 mT	100 °C	0.850	W/set	

Core **EFD30/15/9**

Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	0.700	W/set
500 kHz	100 mT	100 °C	5.400	W/set
Power loss: 3F46				
Measuring conditions			Max	Unit
1000 kHz	50 mT	100 °C	2.000	W/set
3000 kHz	10 mT	100 °C	1.100	W/set

Bsat					
Measuring conditions			Material	Min	Unit
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	3F36	340	mT
25 kHz	250 A/m	100 °C	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