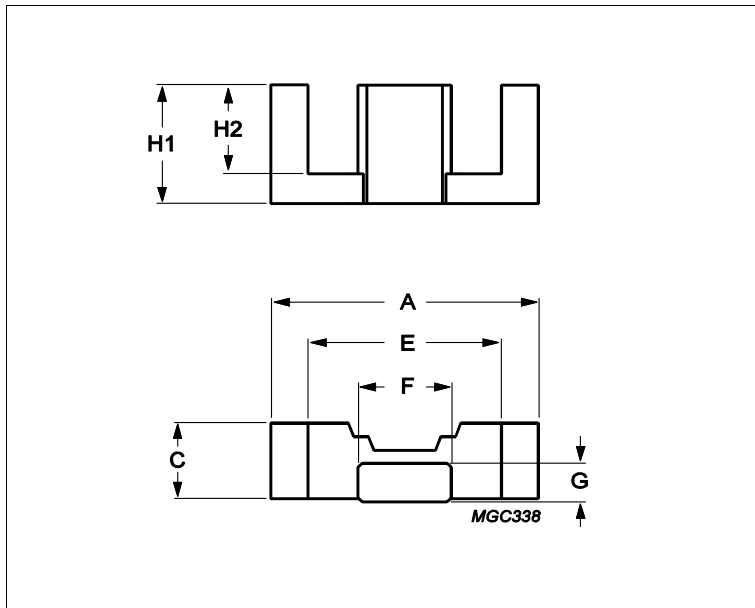


Core **EFD12/6/3.5**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	2.5	mm ⁻¹
Ve	effective volume	325	mm ³
Le	effective length	28.5	mm
Ae	effective area	11.4	mm ²
Amin	minimum area	10.7	mm ²
m	EFD12/6/3.5	≈ 0.9	g/pcs

Dimensions for product: EFD12/6/3.5

	Nom	Tol +	Tol -	Max	Min	Unit
A	12.50	0.30	0.30	12.80	12.20	mm
C	3.50	0.10	0.10	3.60	3.40	mm
E	9.00	0.25	0.25	9.25	8.75	mm
F	5.40	0.15	0.15	5.55	5.25	mm
G	2.00	0.10	0.10	2.10	1.90	mm
H1	6.20	0.10	0.10	6.30	6.10	mm
H2	4.55	0.15	0.15	4.70	4.40	mm

Inductance factor

Material	Value	Tol +	Tol -	Unit
3C95	990	25%	25%	nH/turns ²
3C96	750	25%	25%	nH/turns ²
3F36	570	25%	25%	nH/turns ²
3F46	330	25%	25%	nH/turns ²

Power loss: 3C95

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.160	W/set
100 kHz	200 mT	25 °C	0.170	W/set

Power loss: 3C96

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.150	W/set
400 kHz	50 mT	100 °C	0.058	W/set

Core **EFD12/6/3.5**

Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	0.049	W/set
500 kHz	100 mT	100 °C	0.370	W/set
Power loss: 3F46				
Measuring conditions			Max	Unit
1000 kHz	50 mT	100 °C	0.130	W/set
3000 kHz	10 mT	100 °C	0.033	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
CLM-EFD12	Clamp	432202100911
CPH-EFD12-1S-8P-Z	Coil former, termoplastic, horizontal	432202106451
CPHS-EFD12-1S-8P-Z	Coil former, termoplastic, horizontal, S	432202106171