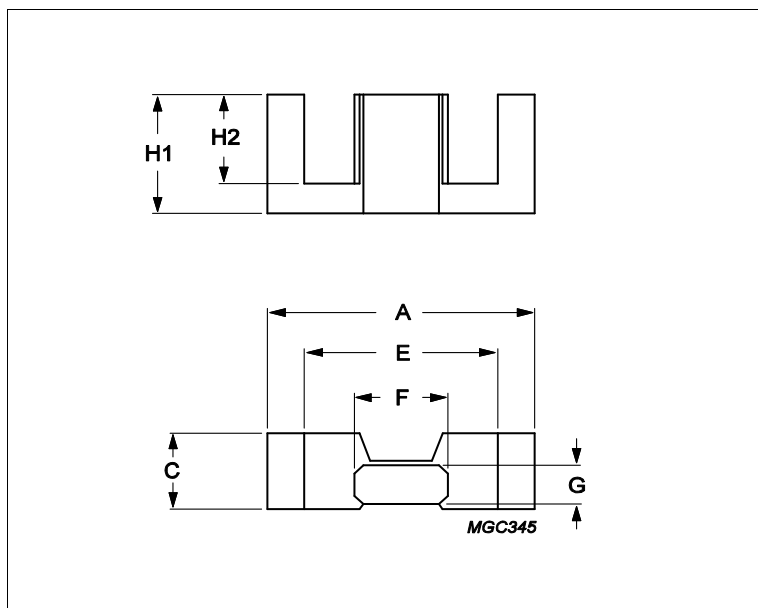


## Core **EFD20/10/7**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	1.52	mm <sup>-1</sup>
<b>Ve</b>	effective volume	1460	mm <sup>3</sup>
<b>Le</b>	effective length	47	mm
<b>Ae</b>	effective area	31	mm <sup>2</sup>
<b>Amin</b>	minimum area	29	mm <sup>2</sup>
<b>m</b>	EFD20/10/7	≈ 3.5	g/pcs

**Dimensions for product: EFD20/10/7**

	Nom	Tol +	Tol -	Max	Min	Unit
<b>A</b>	20.00	0.55	0.55	20.55	19.45	mm
<b>C</b>	6.65	0.15	0.15	6.80	6.50	mm
<b>E</b>	15.40	0.50	0.50	15.90	14.90	mm
<b>F</b>	8.90	0.20	0.20	9.10	8.70	mm
<b>G</b>	3.60	0.15	0.15	3.75	3.45	mm
<b>H1</b>	10.00	0.15	0.15	10.15	9.85	mm
<b>H2</b>	7.70	0.25	0.25	7.95	7.45	mm

**Inductance factor**

Material	Value	Tol +	Tol -	Unit
3C95	1540	25%	25%	nH/turns <sup>2</sup>
3C96	1200	25%	25%	nH/turns <sup>2</sup>
3F36	950	25%	25%	nH/turns <sup>2</sup>
3F46	580	25%	25%	nH/turns <sup>2</sup>

**Power loss: 3C95**

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.700	W/set
100 kHz	200 mT	25 °C	0.760	W/set

**Power loss: 3C96**

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.660	W/set
400 kHz	50 mT	100 °C	0.260	W/set

## Core **EFD20/10/7**

Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	0.220	W/set
500 kHz	100 mT	100 °C	1.700	W/set
Power loss: 3F46				
Measuring conditions			Max	Unit
1000 kHz	50 mT	100 °C	0.580	W/set
3000 kHz	10 mT	100 °C	0.220	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-EFD20	Clip	432202135151
CLM-EFD20	Clamp	432202102211
CPH-EFD20-1S-10PD-Z	Coil former, termoplastic, horizontal	432202106161
CPHS-EFD20/7-1S-10P	Coil former, termoplastic, horizontal, S	432202100071
CSH-EFD20-1S-8P-IZ	Coil former, termoset, horizontal	432202106931
CSH-EFD20-1S-8P-TZ	Coil former, termoset, horizontal	432202106291
CSHS-EFD20-1S-10P-Z	Coil former, termoset, horizontal, SMD	432202106091
CSHS-EFD20-1S-12P	Coil former, termoset, horizontal, SMD	432202104331