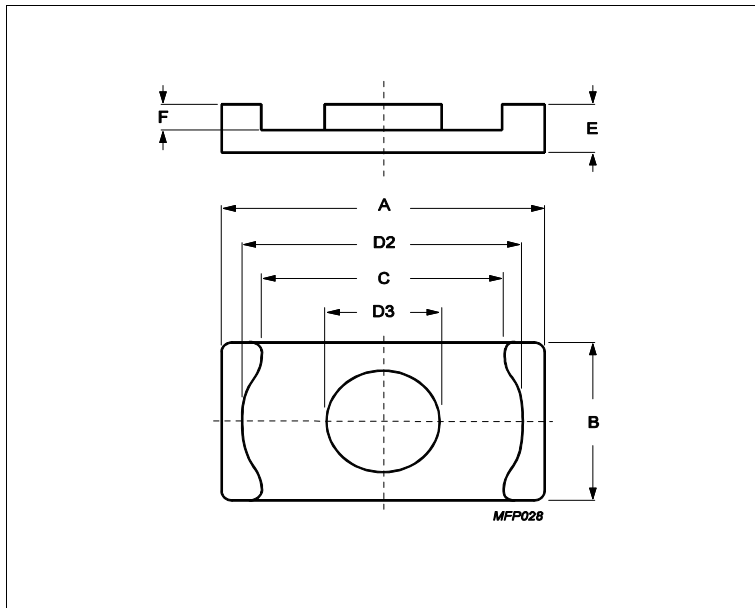


## Core **ER9.5/2.5/5**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	1.67	mm <sup>-1</sup>
<b>Ve</b>	effective volume	120	mm <sup>3</sup>
<b>Le</b>	effective length	14.2	mm
<b>Ae</b>	effective area	8.47	mm <sup>2</sup>
<b>Amin</b>	minimum area	7.6	mm <sup>2</sup>
<b>m</b>	ER9.5/2.5/5	≈ 0.35	g/pcs

**Dimensions for product: ER9.5/2.5/5**

	Nom	Tol +	Tol -	Max	Min	Unit
<b>A</b>	9.50	0.00	0.30	9.50	9.20	mm
<b>B</b>	5.00	0.00	0.20	5.00	4.80	mm
<b>C</b>	7.10	0.20	0.00	7.30	7.10	mm
<b>D2</b>	7.50	0.25	0.00	7.75	7.50	mm
<b>D3</b>	3.50	0.00	0.20	3.50	3.30	mm
<b>E</b>	2.45	0.05	0.05	2.50	2.40	mm
<b>F</b>	1.60	0.15	0.00	1.75	1.60	mm

**Inductance factor**

Material	Value	Tol +	Tol -	Unit
3C92	750	25%	25%	nH/turns <sup>2</sup>
3C95	1150	25%	25%	nH/turns <sup>2</sup>
3C96	900	25%	25%	nH/turns <sup>2</sup>
3C97	1150	25%	25%	nH/turns <sup>2</sup>
3F36	670	25%	25%	nH/turns <sup>2</sup>
3F46	440	25%	25%	nH/turns <sup>2</sup>

**Power loss: 3C92**

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.060	W/set

**Power loss: 3C95**

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.058	W/set
100 kHz	200 mT	25 °C	0.062	W/set

## Core **ER9.5/2.5/5**

Power loss: 3C96				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.054	W/set
400 kHz	50 mT	100 °C	0.022	W/set
Power loss: 3C97				
Measuring conditions			Max	Unit
100 kHz	200 mT	60 °C	0.060	W/set
100 kHz	200 mT	120 °C	0.058	W/set
100 kHz	200 mT	140 °C	0.072	W/set
Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	0.018	W/set
500 kHz	100 mT	100 °C	0.140	W/set
Power loss: 3F46				
Measuring conditions			Max	Unit
1000 kHz	50 mT	100 °C	0.048	W/set
3000 kHz	10 mT	100 °C	0.010	W/set

Bsat					
Measuring conditions			Material	Min	Unit
25 kHz	250 A/m	100 °C	3C92	370	mT
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	3C97	330	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-ER9.5	Clamp	432202101521
CPVS-ER9.5-1S-8P-C	Coil former, termoplastic, vertical, SMD	432202104491
CPVS-ER9.5-1S-8P-Z	Coil former, termoplastic, vertical, SMD	432202106131