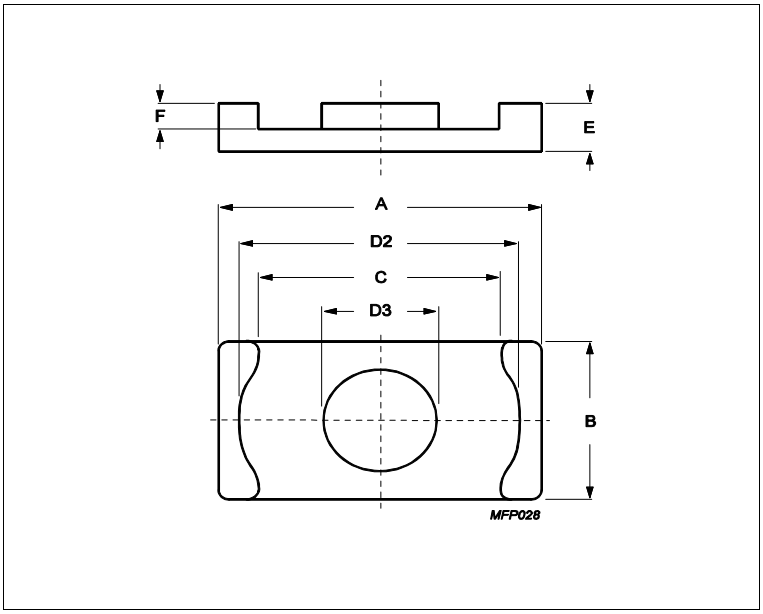
Core **ER9.5/2.5/5**



Effective parameters			
	Parameter	**Value**	**Unit**
Σ(I/A)	*core factor (C1)*	1.67	mm^{-1}
Ve	*effective volume*	120	mm^3
Le	*effective length*	14.2	mm
Ae	*effective area*	8.47	mm^2
Amin	*minimum area*	7.6	mm^2
m	*ER9.5/2.5/5*	≈ 0.35	g/pcs

Dimensions for product: ER9.5/2.5/5						
	Nom	**Tol +**	**Tol -**	**Max**	**Min**	**Unit**
A	9.50	0.00	0.30	9.50	9.20	mm
B	5.00	0.00	0.20	5.00	4.80	mm
C	7.10	0.20	0.00	7.30	7.10	mm
D2	7.50	0.25	0.00	7.75	7.50	mm
D3	3.50	0.00	0.20	3.50	3.30	mm
E	2.45	0.05	0.05	2.50	2.40	mm
F	1.60	0.15	0.00	1.75	1.60	mm

Inductance factor				
Material	**Value**	**Tol +**	**Tol -**	**Unit**
3C92	750	25%	25%	$nH/turns^2$
3C95	1150	25%	25%	$nH/turns^2$
3C96	900	25%	25%	$nH/turns^2$
3C97	1150	25%	25%	$nH/turns^2$
3F36	670	25%	25%	$nH/turns^2$
3F46	440	25%	25%	$nH/turns^2$

Power loss: 3C92				
Measuring conditions			**Max**	**Unit**
100 kHz	200 mT	100 ºC	0.060	W/set
Power loss: 3C95				
Measuring conditions			**Max**	**Unit**
100 kHz	200 mT	100 ºC	0.058	W/set
100 kHz	200 mT	25 ºC	0.062	W/set

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

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

Bsat					
Measuring conditions			Material	Min	Unit
25 kHz	250 A/m	100 ºC	3C92	370	mT
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	3C97	330	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
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