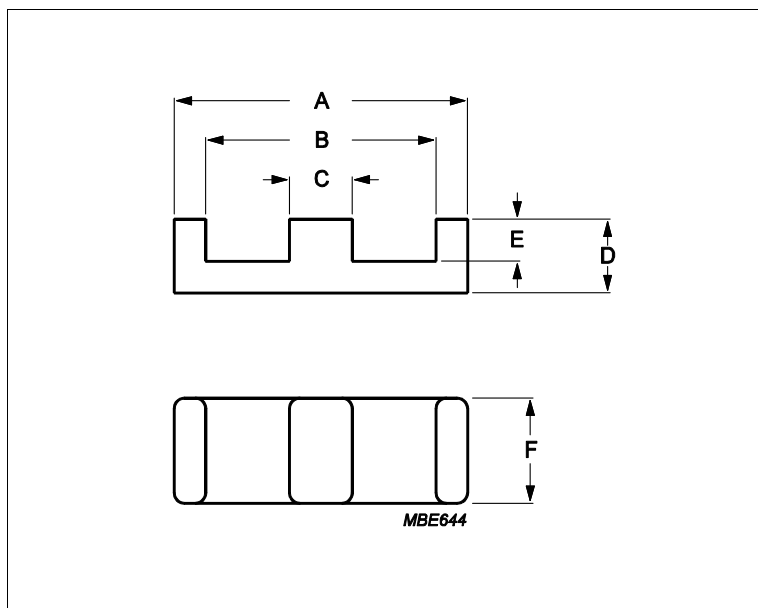
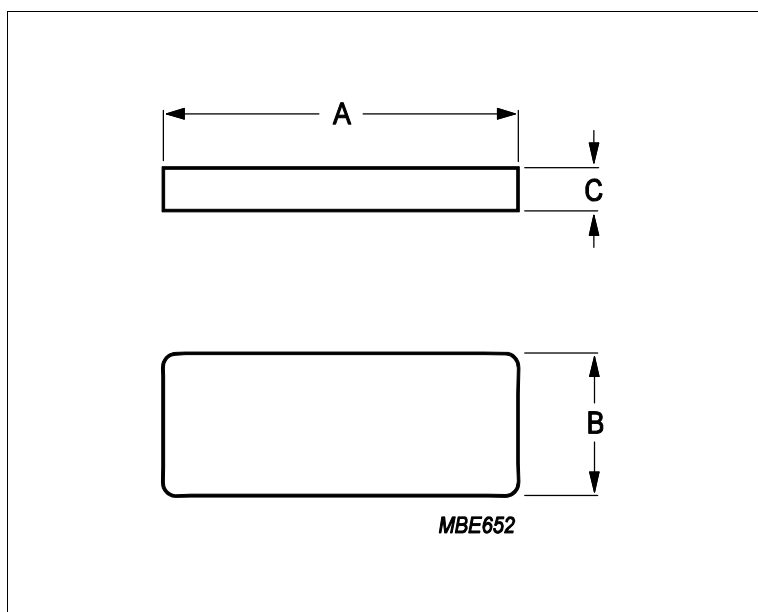


Core **E14/3.5/5 + PLT14/5/1.5**



Effective parameters				
	Parameter	Value	Unit	
	$\Sigma(I/A)$	core factor (C1)	1.16	mm ⁻¹
	Ve	effective volume	240	mm ³
	Le	effective length	16.7	mm
	Ae	effective area	14.5	mm ²
	Amin	minimum area	14.5	mm ²
	m	E14/3.5/5	≈ 0.6	g/pcs
	m	PLT14/5/1.5	≈ 0.5	g/pcs



Dimensions for product: E14/3.5/5						
	Nom	Tol +	Tol -	Max	Min	Unit
A	14.00	0.30	0.30	14.30	13.70	mm
B	11.00	0.25	0.25	11.25	10.75	mm
C	3.00	0.05	0.05	3.05	2.95	mm
D	3.50	0.10	0.10	3.60	3.40	mm
E	2.00	0.10	0.10	2.10	1.90	mm
F	5.00	0.10	0.10	5.10	4.90	mm
Dimensions for product: PLT14/5/1.5						
	Nom	Tol +	Tol -	Max	Min	Unit
A	14.00	0.30	0.30	14.30	13.70	mm
B	5.00	0.10	0.10	5.10	4.90	mm

Core **E14/3.5/5 + PLT14/5/1.5**

Dimensions for product: PLT14/5/1.5						
	Nom	Tol +	Tol -	Max	Min	Unit
C	1.50	0.05	0.05	1.55	1.45	mm

Inductance factor					
Material	Value	Tol +	Tol -	Unit	
3C92	1130	25%	25%	nH/turns ²	
3C95	1740	25%	25%	nH/turns ²	
3C96	1350	25%	25%	nH/turns ²	
3C97	1740	25%	25%	nH/turns ²	
3F36	1000	25%	25%	nH/turns ²	
3F46	670	25%	25%	nH/turns ²	
4F1	85	25%	25%	nH/turns ²	

Power loss: 3C92				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.120	W/set

Power loss: 3C95				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.120	W/set
100 kHz	200 mT	25 °C	0.120	W/set

Power loss: 3C96				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.110	W/set
400 kHz	50 mT	100 °C	0.043	W/set

Power loss: 3C97				
Measuring conditions			Max	Unit
100 kHz	200 mT	60 °C	0.120	W/set
100 kHz	200 mT	120 °C	0.120	W/set
100 kHz	200 mT	140 °C	0.140	W/set

Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	0.036	W/set
500 kHz	100 mT	100 °C	0.280	W/set

Power loss: 3F46				
Measuring conditions			Max	Unit
1000 kHz	50 mT	100 °C	0.096	W/set
3000 kHz	10 mT	100 °C	0.022	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

Core **E14/3.5/5 + PLT14/5/1.5**

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