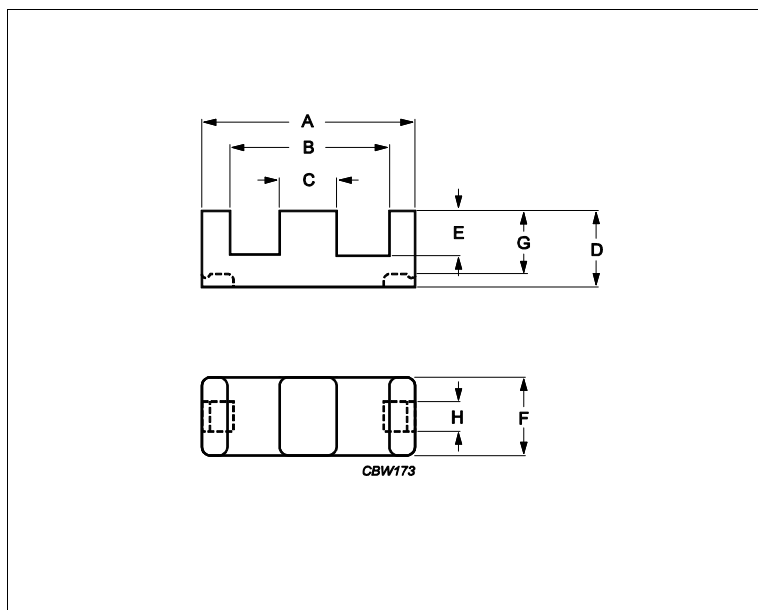
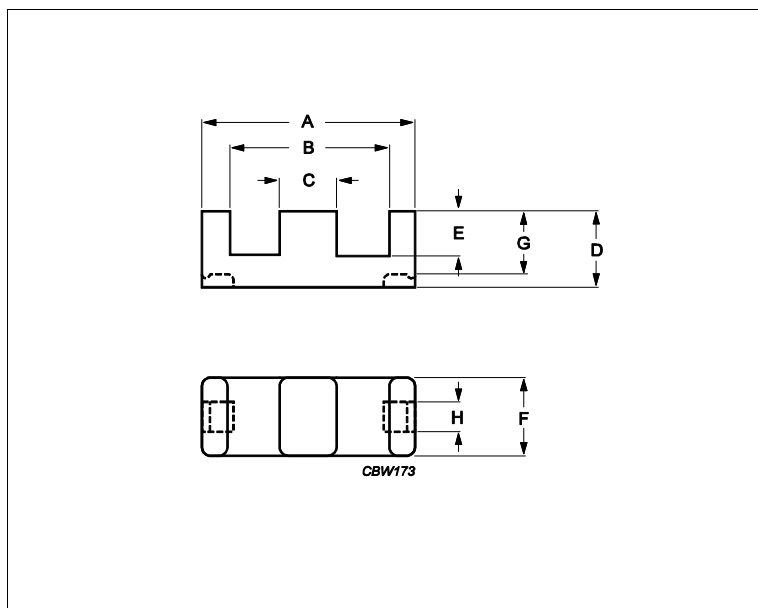




**THE DATASHEET OF
E14/3.5/5/R-3F36**



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



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	1.15	mm ⁻¹
Ve	effective volume	230	mm ³
Le	effective length	16.4	mm
Ae	effective area	14.2	mm ²
Amin	minimum area	10.9	mm ²
m	E14/3.5/5/R	≈ 0.6	g/pcs
m	PLT14/5/1.5/S	≈ 0.5	g/pcs

Dimensions for product: E14/3.5/5/R						
	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
G	2.80	0.15	0.15	2.95	2.65	mm
H	2.50	0.20	0.00	2.70	2.50	mm
Dimensions for product: PLT14/5/1.5/S						
	Nom	Tol +	Tol -	Max	Min	Unit

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

Dimensions for product: PLT14/5/1.5/S						
	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
C	1.80	0.05	0.05	1.85	1.75	mm
D	1.50	0.10	0.10	1.60	1.40	mm
E	2.50	0.20	0.00	2.70	2.50	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	660	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	0.110	W/set	
Power loss: 3C95					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	0.110	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	0.100	W/set	
400 kHz	50 mT	100 °C	0.041	W/set	
Power loss: 3C97					
Measuring conditions			Max	Unit	
100 kHz	200 mT	60 °C	0.110	W/set	
100 kHz	200 mT	120 °C	0.110	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	0.034	W/set	
500 kHz	100 mT	100 °C	0.260	W/set	
Power loss: 3F46					
Measuring conditions			Max	Unit	
1000 kHz	50 mT	100 °C	0.092	W/set	
3000 kHz	10 mT	100 °C	0.021	W/set	



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

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-E14/PLT14	Clamp	432202101611
CLM-E14/PLT14-I	Clamp	432202107131

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