



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

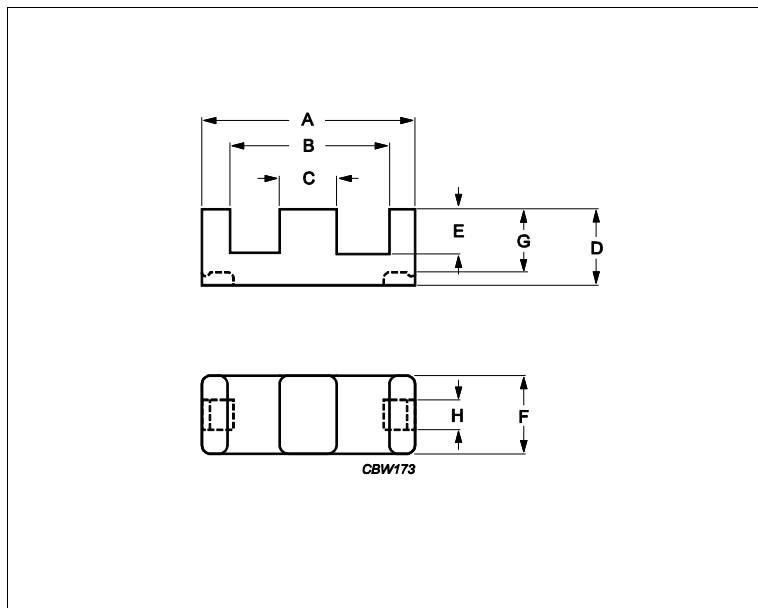
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

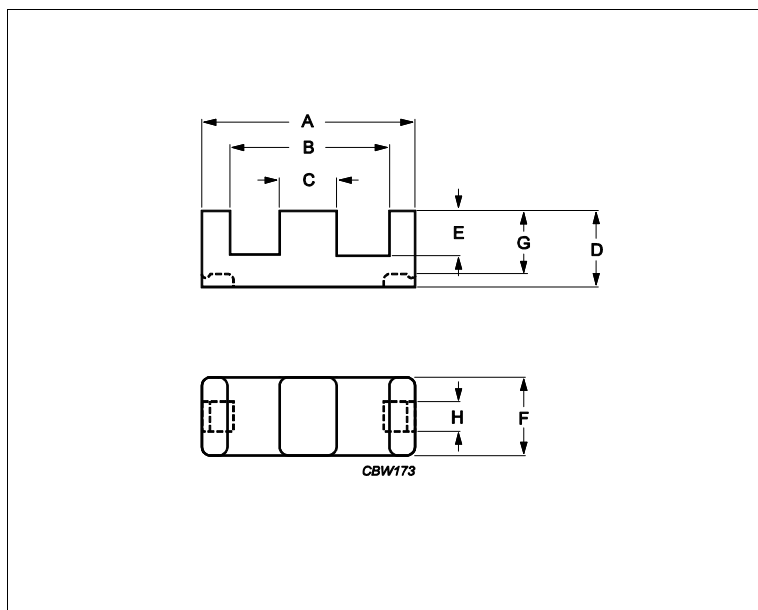
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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