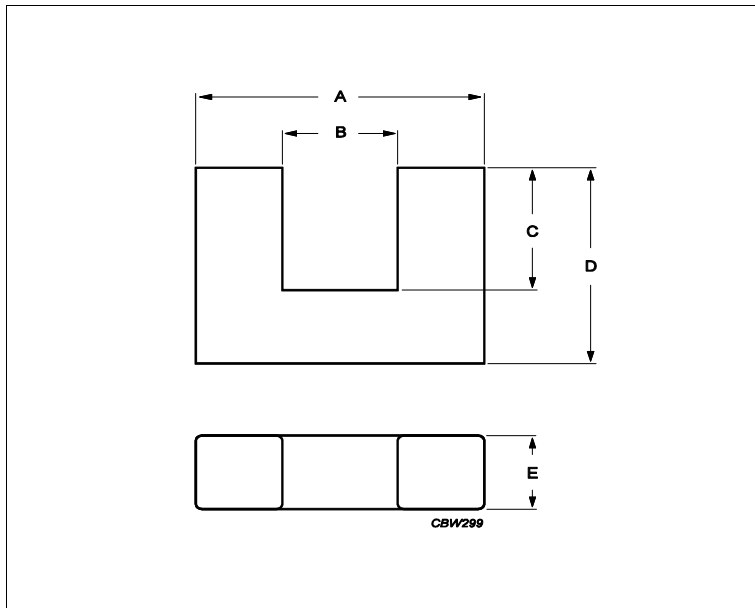


Core **U10/8/3**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	4.74	mm <sup>-1</sup>
<b>Ve</b>	effective volume	309	mm <sup>3</sup>
<b>Le</b>	effective length	38.3	mm
<b>Ae</b>	effective area	8.07	mm <sup>2</sup>
<b>Amin</b>	minimum area	7.91	mm <sup>2</sup>
<b>m</b>	U10/8/3	≈ 0.9	g/pcs

Dimensions for product: U10/8/3						
	Nom	Tol +	Tol -	Max	Min	Unit
<b>A</b>	9.90	0.30	0.30	10.20	9.60	mm
<b>B</b>	4.35	0.20	0.20	4.55	4.15	mm
<b>C</b>	5.00	0.30	0.00	5.30	5.00	mm
<b>D</b>	8.20	0.00	0.20	8.20	8.00	mm
<b>E</b>	2.85	0.15	0.15	3.00	2.70	mm

Inductance factor					
Material	Value	Tol +	Tol -	Unit	
3C90	420	25%	25%	nH/turns <sup>2</sup>	
3C94	470	25%	25%	nH/turns <sup>2</sup>	

Power loss: 3C90					
Measuring conditions			Max	Unit	
25 kHz	200 mT	100 °C	0.037	W/set	

Power loss: 3C94					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	0.150	W/set	

Bsat					
Measuring conditions			Material	Min	Unit
25 kHz	250 A/m	100 °C	3C90	320	mT
25 kHz	250 A/m	100 °C	3C94	320	mT