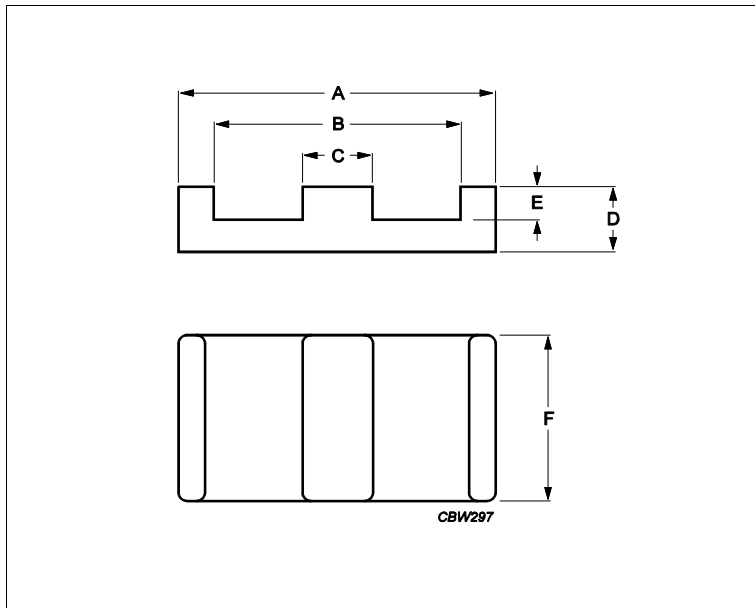


Core **E43/10/28**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.276	mm ⁻¹
Ve	effective volume	13900	mm ³
Le	effective length	61.1	mm
Ae	effective area	229	mm ²
Amin	minimum area	229	mm ²
m	E43/10/28	≈ 35	g/pcs

Dimensions for product: E43/10/28						
	Nom	Tol +	Tol -	Max	Min	Unit
A	43.20	0.90	0.90	44.10	42.30	mm
B					34.70	mm
C	8.10	0.20	0.20	8.30	7.90	mm
D	9.50	0.13	0.13	9.63	9.37	mm
E	5.40	0.13	0.13	5.53	5.27	mm
F	27.90	0.60	0.60	28.50	27.30	mm

Inductance factor					
Material	Value	Tol +	Tol -	Unit	
3C92	6300	25%	25%	nH/turns ²	
3C95	9700	25%	25%	nH/turns ²	
3C96	7310	25%	25%	nH/turns ²	
3C97	9700	25%	25%	nH/turns ²	
3F36	5200	25%	25%	nH/turns ²	
3F4	3860	25%	25%	nH/turns ²	

Power loss: 3C92					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	6.900	W/set	
Power loss: 3C95					
Measuring conditions			Max	Unit	
100 kHz	200 mT	100 °C	6.700	W/set	
100 kHz	200 mT	25 °C	7.200	W/set	

Core **E43/10/28**

Power loss: 3C96				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	6.300	W/set
400 kHz	50 mT	100 °C	2.500	W/set
Power loss: 3C97				
Measuring conditions			Max	Unit
100 kHz	200 mT	60 °C	6.900	W/set
100 kHz	200 mT	120 °C	6.700	W/set
100 kHz	200 mT	140 °C	8.300	W/set
Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	2.100	W/set
500 kHz	100 mT	100 °C	16.000	W/set
Power loss: 3F4				
Measuring conditions			Max	Unit
1000 kHz	30 mT	100 °C	4.200	W/set
3000 kHz	10 mT	100 °C	6.900	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
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	3F4	330	mT