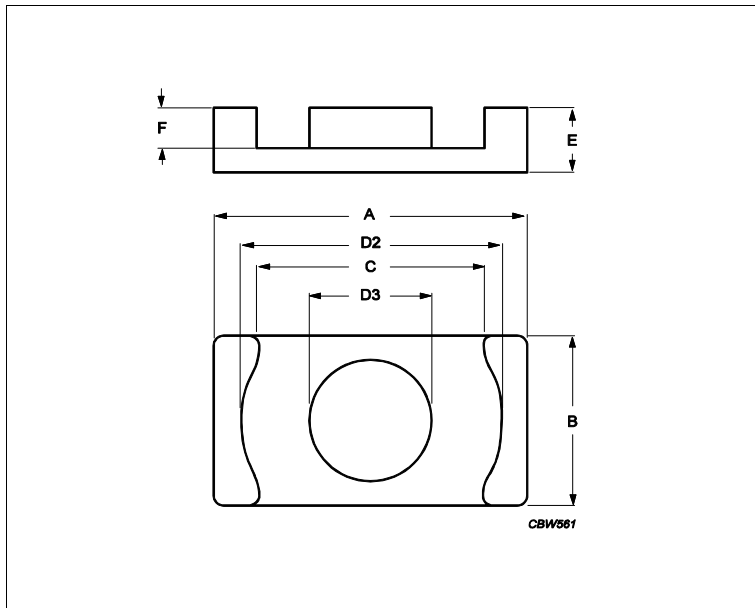


Core **EQ38/8/25**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.341	mm ⁻¹
Ve	effective volume	7900	mm ³
Le	effective length	51.9	mm
Ae	effective area	152	mm ²
Amin	minimum area	119	mm ²
m	EQ38/8/25	≈ 21.5	g/pcs

Dimensions for product: EQ38/8/25

	Nom	Tol +	Tol -	Max	Min	Unit
A	38.10	0.70	0.70	38.80	37.40	mm
B	25.40	0.50	0.50	25.90	24.90	mm
C	24.76	0.50	0.50	25.26	24.26	mm
D2	33.10	0.60	0.60	33.70	32.50	mm
D3	14.00	0.20	0.20	14.20	13.80	mm
E	8.00	0.15	0.15	8.15	7.85	mm
F	5.30	0.20	0.20	5.50	5.10	mm

Inductance factor

Material	Value	Tol +	Tol -	Unit
3C95	8500	25%	25%	nH/turns ²
3C96	6300	25%	25%	nH/turns ²
3F36	4100	25%	25%	nH/turns ²
3F4	3000	25%	25%	nH/turns ²

Power loss: 3C95

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	3.800	W/set
100 kHz	200 mT	25 °C	4.100	W/set

Power loss: 3C96

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	3.600	W/set
400 kHz	50 mT	100 °C	1.400	W/set

Core **EQ38/8/25**

Power loss: 3F36

Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	1.200	W/set
500 kHz	100 mT	100 °C	9.100	W/set

Power loss: 3F4

Measuring conditions			Max	Unit
1000 kHz	30 mT	100 °C	2.400	W/set
3000 kHz	10 mT	100 °C	3.900	W/set

Bsat

Measuring conditions			Material	Min	Unit
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	3F36	340	mT
25 kHz	250 A/m	100 °C	3F4	330	mT