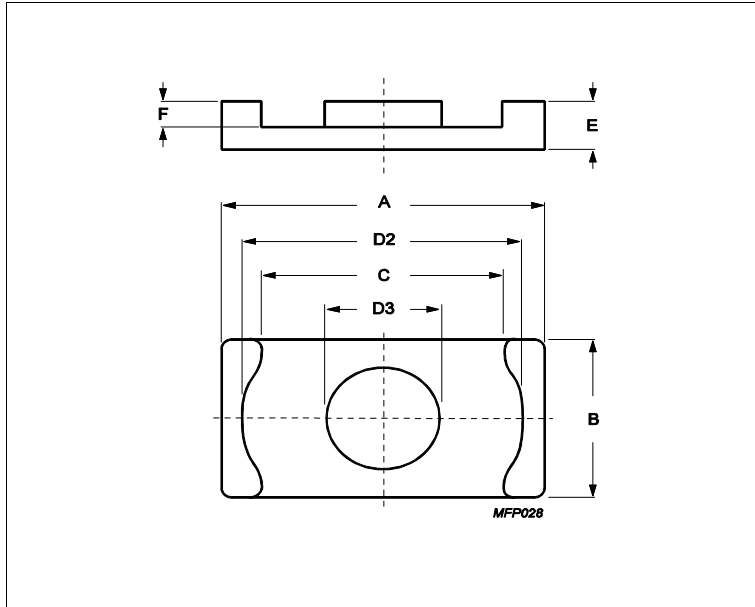


Core **ER23/3.6/13**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.53	mm ⁻¹
Ve	effective volume	1340	mm ³
Le	effective length	26.6	mm
Ae	effective area	50.2	mm ²
Amin	minimum area	50	mm ²
m	ER23/3.6/13	≈ 3.2	g/set

Dimensions for product: ER23/3.6/13

	Nom	Tol +	Tol -	Max	Min	Unit
A	23.20	0.45	0.45	23.65	22.75	mm
B	12.50	0.25	0.25	12.75	12.25	mm
C					17.50	mm
D2	20.20	0.40	0.40	20.60	19.80	mm
D3	8.00	0.20	0.20	8.20	7.80	mm
E	3.60	0.10	0.10	3.70	3.50	mm
F	1.60	0.10	0.10	1.70	1.50	mm

Inductance factor

Material	Value	Tol +	Tol -	Unit
3C92	2800	25%	25%	nH/turns ²
3C95	4460	25%	25%	nH/turns ²
3C96	3400	25%	25%	nH/turns ²
3C97	4460	25%	25%	nH/turns ²
3F36	2500	25%	25%	nH/turns ²
3F46	1400	25%	25%	nH/turns ²

Power loss: 3C92

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.670	W/set

Power loss: 3C95

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.640	W/set
100 kHz	200 mT	25 °C	0.700	W/set

Core **ER23/3.6/13**

Power loss: 3C96				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.600	W/set
400 kHz	50 mT	100 °C	0.240	W/set
Power loss: 3C97				
Measuring conditions			Max	Unit
100 kHz	200 mT	60 °C	0.670	W/set
100 kHz	200 mT	120 °C	0.670	W/set
100 kHz	200 mT	140 °C	0.800	W/set
Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	0.200	W/set
500 kHz	100 mT	100 °C	1.500	W/set
Power loss: 3F46				
Measuring conditions			Max	Unit
1000 kHz	50 mT	100 °C	0.540	W/set
3000 kHz	10 mT	100 °C	0.180	W/set

Bsat					
Measuring conditions			Material	Min	Unit
10 kHz	250 A/m	100 °C	3C92	370	mT
10 kHz	250 A/m	100 °C	3C95	330	mT
10 kHz	250 A/m	100 °C	3C96	340	mT
10 kHz	250 A/m	100 °C	3C97	330	mT
10 kHz	250 A/m	100 °C	3F36	340	mT
10 kHz	250 A/m	100 °C	3F46	330	mT