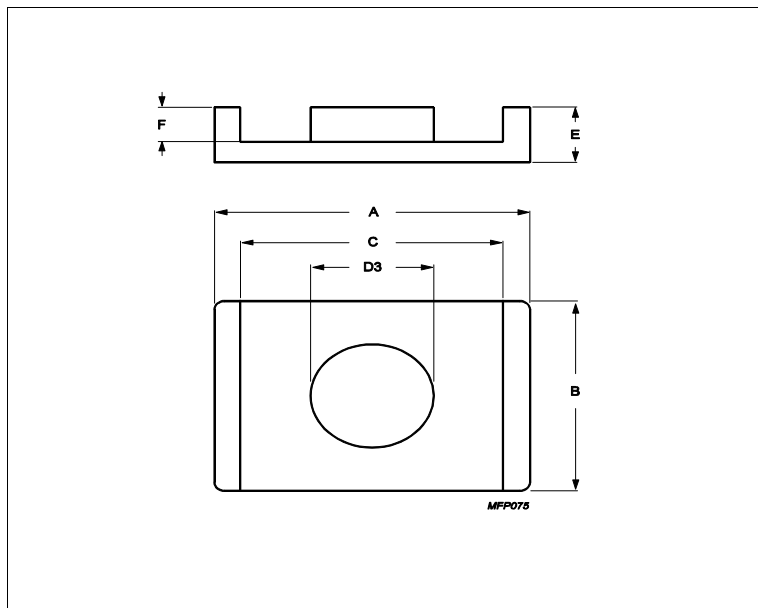


Core **ER64/13/51**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.164	mm ⁻¹
Ve	effective volume	52600	mm ³
Le	effective length	93	mm
Ae	effective area	566	mm ²
Amin	minimum area	507	mm ²
m	ER64/13/51	≈ 152	g/pcs

Dimensions for product: ER64/13/51

	Nom	Tol +	Tol -	Max	Min	Unit
A	64.00	1.00	1.00	65.00	63.00	mm
B	50.80	1.00	1.00	51.80	49.80	mm
C	53.50	1.00	1.00	54.50	52.50	mm
D3	25.40	0.50	0.50	25.90	24.90	mm
E	12.70	0.20	0.20	12.90	12.50	mm
F	6.25	0.25	0.25	6.50	6.00	mm

Inductance factor

Material	Value	Tol +	Tol -	Unit
3C92	10600	25%	25%	nH/turns ²
3C95	17100	25%	25%	nH/turns ²
3C96	12500	25%	25%	nH/turns ²
3C97	17100	25%	25%	nH/turns ²
3F36	8300	25%	25%	nH/turns ²
3F4	6100	25%	25%	nH/turns ²

Power loss: 3C92

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	26.000	W/set

Power loss: 3C95

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	25.000	W/set
100 kHz	200 mT	25 °C	27.000	W/set

Core **ER64/13/51**

Power loss: 3C96				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	24.000	W/set
400 kHz	50 mT	100 °C	13.000	W/set
Power loss: 3C97				
Measuring conditions			Max	Unit
100 kHz	200 mT	60 °C	26.000	W/set
100 kHz	200 mT	120 °C	25.000	W/set
100 kHz	200 mT	140 °C	32.000	W/set
Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	10.000	W/set
500 kHz	100 mT	100 °C	69.000	W/set
Power loss: 3F4				
Measuring conditions			Max	Unit
1000 kHz	30 mT	100 °C	19.000	W/set
3000 kHz	10 mT	100 °C	29.000	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