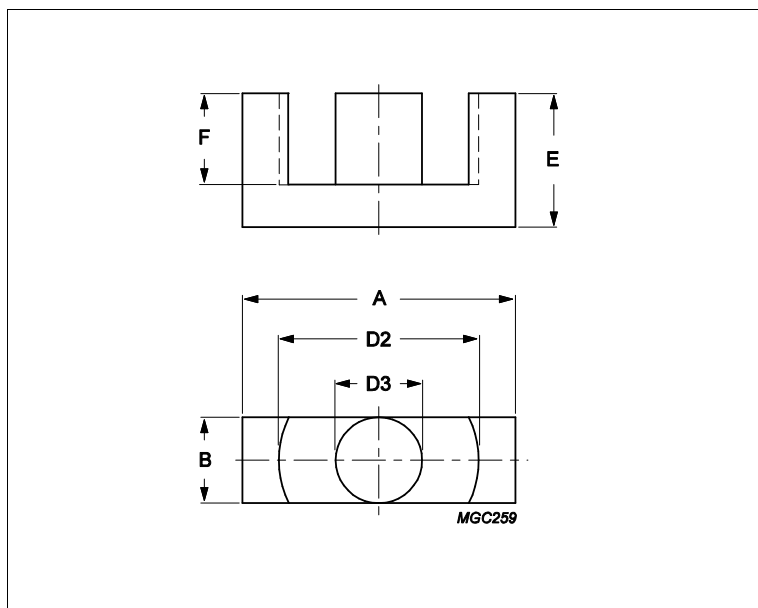


Core **ETD59/31/22**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.378	mm ⁻¹
Ve	effective volume	51500	mm ³
Le	effective length	139	mm
Ae	effective area	368	mm ²
Amin	minimum area	360	mm ²
m	ETD59/31/22	≈ 130	g/pcs

Dimensions for product: ETD59/31/22

	Nom	Tol +	Tol -	Max	Min	Unit
A	59.80	1.30	1.30	61.10	58.50	mm
B	21.65	0.45	0.45	22.10	21.20	mm
D2	44.70	1.10	1.10	45.80	43.60	mm
D3	21.65	0.45	0.45	22.10	21.20	mm
E	31.00	0.20	0.20	31.20	30.80	mm
F	22.50	0.40	0.40	22.90	22.10	mm

Inductance factor

Material	Value	Tol +	Tol -	Unit
3C94	6000	25%	25%	nH/turns ²
3C95	8200	25%	25%	nH/turns ²
3C97	7340	25%	25%	nH/turns ²
3F36	3900	25%	25%	nH/turns ²

Power loss: 3C94

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

Power loss: 3C97

Measuring conditions			Max	Unit
100 kHz	200 mT	60 °C	26.000	W/set

Core **ETD59/31/22**

Power loss: 3C97

Measuring conditions			Max	Unit
100 kHz	200 mT	120 °C	25.000	W/set
100 kHz	200 mT	140 °C	31.000	W/set

Power loss: 3F36

Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	12.000	W/set
500 kHz	100 mT	100 °C	77.000	W/set

Bsat

Measuring conditions			Material	Min	Unit
25 kHz	250 A/m	100 °C	3C94	320	mT
25 kHz	250 A/m	100 °C	3C95	330	mT
25 kHz	250 A/m	100 °C	3C97	330	mT
25 kHz	250 A/m	100 °C	3F36	340	mT

Accessories

Ordering name	Description	Ordering code
CLI-ETD59	Clip	432202100701
CPH-ETD59-1S-24P	Coil former, termoplastic, horizontal	432202100691