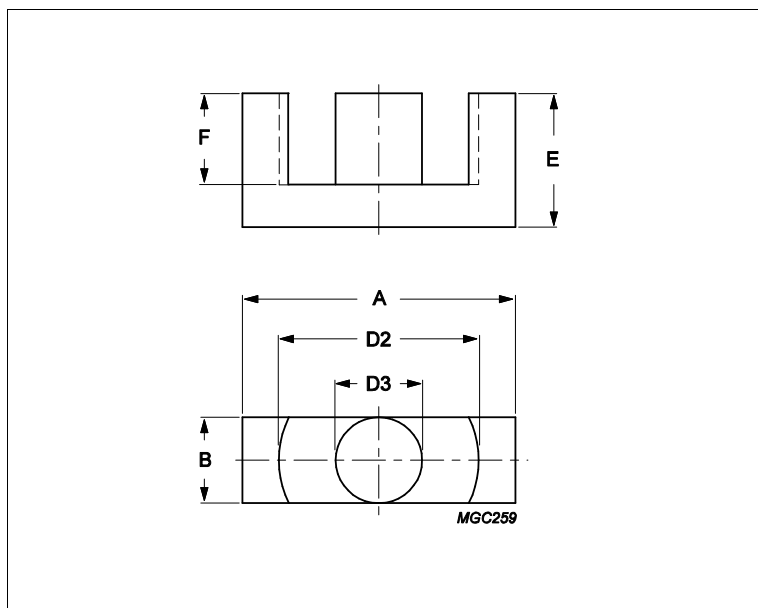


## Core **ETD49/25/16**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.534	mm <sup>-1</sup>
<b>Ve</b>	effective volume	24000	mm <sup>3</sup>
<b>Le</b>	effective length	114	mm
<b>Ae</b>	effective area	211	mm <sup>2</sup>
<b>Amin</b>	minimum area	209	mm <sup>2</sup>
<b>m</b>	ETD49/25/16	≈ 62	g/pcs

### Dimensions for product: ETD49/25/16

	Nom	Tol +	Tol -	Max	Min	Unit
<b>A</b>	49.80	0.00	2.20	49.80	47.60	mm
<b>B</b>	16.70	0.00	0.60	16.70	16.10	mm
<b>D2</b>	36.10	1.80	0.00	37.90	36.10	mm
<b>D3</b>	16.70	0.00	0.60	16.70	16.10	mm
<b>E</b>	24.70	0.20	0.20	24.90	24.50	mm
<b>F</b>	17.70	0.80	0.00	18.50	17.70	mm

### Inductance factor

Material	Value	Tol +	Tol -	Unit
3C94	4200	25%	25%	nH/turns <sup>2</sup>
3C95	5140	25%	25%	nH/turns <sup>2</sup>
3C97	5140	25%	25%	nH/turns <sup>2</sup>
3F36	2800	25%	25%	nH/turns <sup>2</sup>

### Power loss: 3C94

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	12.000	W/set

### Power loss: 3C95

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	12.000	W/set
100 kHz	200 mT	25 °C	12.000	W/set

### Power loss: 3C97

Measuring conditions			Max	Unit
100 kHz	200 mT	60 °C	12.000	W/set

## Core **ETD49/25/16**

Power loss: 3C97				
Measuring conditions			Max	Unit
100 kHz	200 mT	120 °C	12.000	W/set
100 kHz	200 mT	140 °C	14.000	W/set
Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	3.900	W/set
500 kHz	100 mT	100 °C	29.000	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-ETD49	Clip	432202133922
CPH-ETD49-1S-20P	Coil former, termoplastic, horizontal	432202101671
CPH-ETD49-1S-20P	Coil former, termoplastic, horizontal	432202133882