

# Product Specifications



Core type:

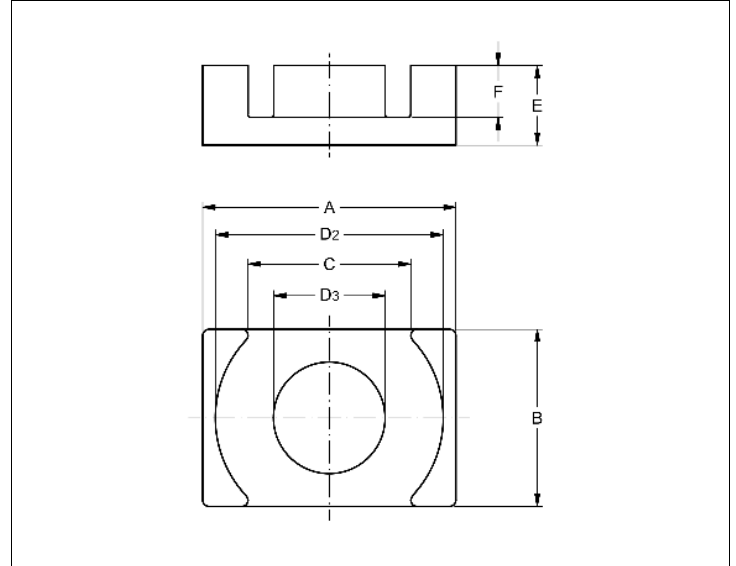
**EQ25**

Selling unit:

**PCS**

## Product dimensions (mm): EQ25

	Nom	Tol +	Tol -	Max	Min
<b>A</b>	25.00	0.40	0.40	25.40	24.60
<b>B</b>	18.00	0.30	0.30	18.30	17.70
<b>C</b>	15.20	0.70	0.70	15.90	14.50
<b>D2</b>	22.00	0.40	0.40	22.40	21.60
<b>D3</b>	11.00	0.20	0.20	11.20	10.80
<b>E</b>	8.00	0.10	0.10	8.10	7.90
<b>F</b>	5.15	0.15	0.15	5.30	5.00



## Effective parameters

Effective area	Minimum area	Effective length	Effective volume	Core factor
$A_e = 100 \text{ [mm}^2\text{]}$	$A_{min} = 95 \text{ [mm}^2\text{]}$	$L_e = 41.4 \text{ [mm]}$	$V_e = 4145 \text{ [mm}^3\text{]}$	$C_1 = 0.414 \text{ [mm}^{-1}\text{]}$

## Inductance factor

Material	Value	Tol +	Tol -	Measuring conditions			Unit
<b>3C95</b>	5710	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns <sup>2</sup>
<b>3C96</b>	4400	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns <sup>2</sup>
<b>3F36</b>	3300	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns <sup>2</sup>
<b>3F46</b>	2100	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns <sup>2</sup>

## Power loss

Material	Symbol	Value	Measuring conditions			Unit
<b>3C95</b>	Pv	< 2	100 kHz	200 mT	100°C	W/set
<b>3C95</b>	Pv	< 2.2	100 kHz	200 mT	25°C	W/set
<b>3C96</b>	Pv	< 1.9	100 kHz	200 mT	100°C	W/set
<b>3C96</b>	Pv	< 0.75	400 kHz	50 mT	100°C	W/set
<b>3F36</b>	Pv	< 0.62	500 kHz	50 mT	100°C	W/set
<b>3F36</b>	Pv	< 4.8	500 kHz	100 mT	100°C	W/set
<b>3F46</b>	Pv	< 2.1	1000 kHz	50 mT	100°C	W/set
<b>3F46</b>	Pv	< 1.3	3000 kHz	10 mT	100°C	W/set

## Bsat

Material	Symbol	Value	Measuring conditions			Unit
<b>3C95</b>	Bsat	> 330	10 kHz	250 A/m	100°C	mT

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**EQ25**

Selling unit:

**PCS**

## Bsat

Material	Symbol	Value	Measuring conditions			Unit
3C96	Bsat	> 340	10 kHz	250 A/m	100°C	mT
3F36	Bsat	> 320	10 kHz	250 A/m	100°C	mT
3F46	Bsat	> 330	10 kHz	250 A/m	100°C	mT