

# Product Specifications



Core type:

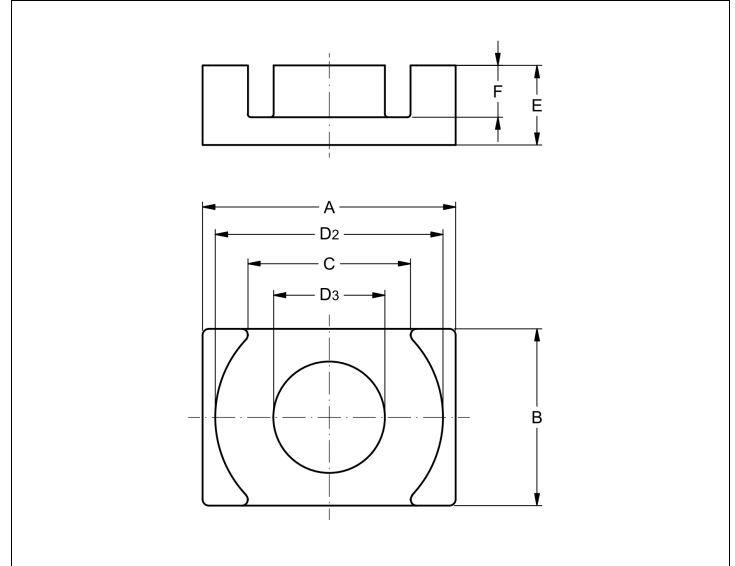
## EQ13

Selling unit:

PCS

### Product dimensions (mm): EQ13

	Nom	Tol +	Tol -	Max	Min
<b>A</b>	12.80	0.30	0.30	13.10	12.50
<b>B</b>	8.70	0.25	0.25	8.95	8.45
<b>C</b>	9.05	0.30	0.30	9.35	8.75
<b>D2</b>	11.20	0.30	0.30	11.50	10.90
<b>D3</b>	5.00	0.15	0.15	5.15	4.85
<b>E</b>	2.85	0.08	0.08	2.93	2.78
<b>F</b>	1.75	0.13	0.13	1.88	1.63



### Effective parameters

Effective area	Minimum area	Effective length	Effective volume	Core factor
$A_e = 19.9 \text{ [mm}^2\text{]}$	$A_{min} = 19.2 \text{ [mm}^2\text{]}$	$L_e = 17.5 \text{ [mm]}$	$V_e = 348 \text{ [mm}^3\text{]}$	$C_1 = 0.911 \text{ [mm}^{-1}\text{]}$

### Inductance factor

Material	Value	Tol +	Tol -	Measuring conditions			Unit
<b>3C95</b>	1930	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns <sup>2</sup>
<b>3C96</b>	1600	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns <sup>2</sup>
<b>3F36</b>	1400	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns <sup>2</sup>
<b>3F46</b>	780	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	< 0.17	100 kHz	200 mT	100°C	W/set
<b>3C95</b>	Pv	< 0.18	100 kHz	200 mT	25°C	W/set
<b>3C96</b>	Pv	< 0.16	100 kHz	200 mT	100°C	W/set
<b>3C96</b>	Pv	< 0.063	400 kHz	50 mT	100°C	W/set
<b>3F36</b>	Pv	< 0.052	500 kHz	50 mT	100°C	W/set
<b>3F36</b>	Pv	< 0.4	500 kHz	100 mT	100°C	W/set
<b>3F46</b>	Pv	< 0.14	1000 kHz	50 mT	100°C	W/set
<b>3F46</b>	Pv	< 0.042	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

# Product Specifications



Core type:

**EQ13**

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