

Core type:

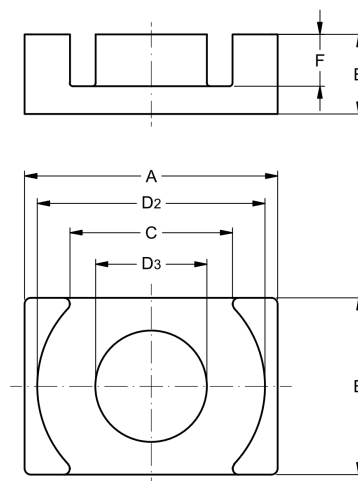
**EQ30**

Selling unit:

**PCS**

Product dimensions (mm): EQ30

|           | Nom   | Tol + | Tol - | Max   | Min   |
|-----------|-------|-------|-------|-------|-------|
| <b>A</b>  | 30.00 | 0.40  | 0.40  | 30.40 | 29.60 |
| <b>B</b>  | 20.00 | 0.30  | 0.30  | 20.30 | 19.70 |
| <b>C</b>  | 19.45 | 0.40  | 0.40  | 19.85 | 19.05 |
| <b>D2</b> | 26.00 | 0.40  | 0.40  | 26.40 | 25.60 |
| <b>D3</b> | 11.00 | 0.20  | 0.20  | 11.20 | 10.80 |
| <b>E</b>  | 8.00  | 0.15  | 0.15  | 8.15  | 7.85  |
| <b>F</b>  | 5.30  | 0.20  | 0.20  | 5.50  | 5.10  |



Effective parameters

| Effective area              | Minimum area                 | Effective length | Effective volume             | Core factor                    |
|-----------------------------|------------------------------|------------------|------------------------------|--------------------------------|
| Ae = 108 [mm <sup>2</sup> ] | Amin = 95 [mm <sup>2</sup> ] | Le = 46 [mm]     | Ve = 4970 [mm <sup>3</sup> ] | C1 = 0.426 [mm <sup>-1</sup> ] |

Inductance factor

| Material    | Value | Tol + | Tol - | Measuring conditions |          |      | Unit                  |
|-------------|-------|-------|-------|----------------------|----------|------|-----------------------|
| <b>3C95</b> | 6630  | 25%   | 25%   | 10 kHz               | < 0.1 mT | 25°C | nH/turns <sup>2</sup> |
| <b>3C96</b> | 4900  | 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>3F4</b>  | 2400  | 25%   | 25%   | 10 kHz               | < 0.1 mT | 25°C | nH/turns <sup>2</sup> |
| <b>3F46</b> | 1800  | 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     | < 2.4  | 100 kHz              | 200 mT | 100°C | W/set |
| <b>3C95</b> | Pv     | < 2.6  | 100 kHz              | 200 mT | 25°C  | W/set |
| <b>3C96</b> | Pv     | < 2.2  | 100 kHz              | 200 mT | 100°C | W/set |
| <b>3C96</b> | Pv     | < 0.89 | 400 kHz              | 50 mT  | 100°C | W/set |
| <b>3F36</b> | Pv     | < 0.75 | 500 kHz              | 50 mT  | 100°C | W/set |
| <b>3F36</b> | Pv     | < 5.7  | 500 kHz              | 100 mT | 100°C | W/set |
| <b>3F4</b>  | Pv     | < 1.5  | 1000 kHz             | 30 mT  | 100°C | W/set |
| <b>3F4</b>  | Pv     | < 2.5  | 3000 kHz             | 10 mT  | 100°C | W/set |
| <b>3F46</b> | Pv     | < 2.6  | 1000 kHz             | 50 mT  | 100°C | W/set |
| <b>3F46</b> | Pv     | < 1.6  | 3000 kHz             | 10 mT  | 100°C | W/set |

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| Bsat        |        |       |                      |         |       |      |
|-------------|--------|-------|----------------------|---------|-------|------|
| Material    | Symbol | Value | Measuring conditions |         |       | Unit |
| <b>3C95</b> | Bsat   | > 330 | 10 kHz               | 250 A/m | 100°C | mT   |
| <b>3C96</b> | Bsat   | > 340 | 10 kHz               | 250 A/m | 100°C | mT   |
| <b>3F36</b> | Bsat   | > 320 | 10 kHz               | 250 A/m | 100°C | mT   |
| <b>3F4</b>  | Bsat   | > 330 | 10 kHz               | 250 A/m | 100°C | mT   |
| <b>3F46</b> | Bsat   | > 330 | 10 kHz               | 250 A/m | 100°C | mT   |