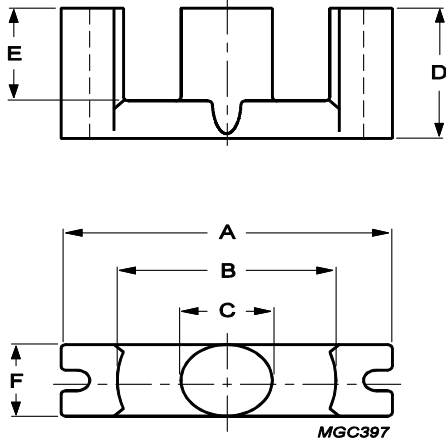


Core **EC35/17/10**



| Effective parameters |                  |       |                  |
|----------------------|------------------|-------|------------------|
|                      | Parameter        | Value | Unit             |
| $\Sigma(I/A)$        | core factor (C1) | 0.918 | mm <sup>-1</sup> |
| <b>Ve</b>            | effective volume | 6530  | mm <sup>3</sup>  |
| <b>Le</b>            | effective length | 77.4  | mm               |
| <b>Ae</b>            | effective area   | 84.3  | mm <sup>2</sup>  |
| <b>Amin</b>          | minimum area     | 71    | mm <sup>2</sup>  |
| <b>m</b>             | EC35/17/10       | ≈ 19  | g/pcs            |

| Dimensions for product: EC35/17/10 |       |       |       |       |       |      |
|------------------------------------|-------|-------|-------|-------|-------|------|
|                                    | Nom   | Tol + | Tol - | Max   | Min   | Unit |
| <b>A</b>                           |       |       |       | 35.30 |       | mm   |
| <b>B</b>                           | 22.75 | 0.55  | 0.55  | 23.30 | 22.20 | mm   |
| <b>C</b>                           | 9.50  | 0.30  | 0.30  | 9.80  | 9.20  | mm   |
| <b>D</b>                           | 17.30 | 0.15  | 0.15  | 17.45 | 17.15 | mm   |
| <b>E</b>                           | 12.30 | 0.40  | 0.40  | 12.70 | 11.90 | mm   |
| <b>F</b>                           | 9.50  | 0.30  | 0.30  | 9.80  | 9.20  | mm   |

| Inductance factor |       |       |       |                       |
|-------------------|-------|-------|-------|-----------------------|
| Material          | Value | Tol + | Tol - | Unit                  |
| 3C91              | 3400  | 25%   | 25%   | nH/turns <sup>2</sup> |
| 3C94              | 2400  | 25%   | 25%   | nH/turns <sup>2</sup> |

| Power loss: 3C91     |        |        |       |       |
|----------------------|--------|--------|-------|-------|
| Measuring conditions |        |        | Max   | Unit  |
| 100 kHz              | 200 mT | 60 °C  | 3.300 | W/set |
| Power loss: 3C94     |        |        |       |       |
| Measuring conditions |        |        | Max   | Unit  |
| 100 kHz              | 200 mT | 100 °C | 3.300 | W/set |

| Bsat                 |         |        |          |      |
|----------------------|---------|--------|----------|------|
| Measuring conditions |         |        | Material | Unit |
| 25 kHz               | 250 A/m | 100 °C | 3C91     | mT   |
| 25 kHz               | 250 A/m | 100 °C | 3C94     | mT   |

Core **EC35/17/10**

| Accessories          |                                   |               |
|----------------------|-----------------------------------|---------------|
| Ordering name        | Description                       | Ordering code |
| CLM/U-EC35           | Clump, U shape with thread        | 432202127161  |
| CP-EC35-1S           | Coil former, termoplastic         | 432202103701  |
| CSH-EC35-1S-11PD-A-Z | Coil former, termoset, horizontal | 433506041451  |
| PIN/H-EC             | Insertable pins, horizontal       | 432202103741  |
| PIN-EC               | Insertable pins                   | 432202103751  |