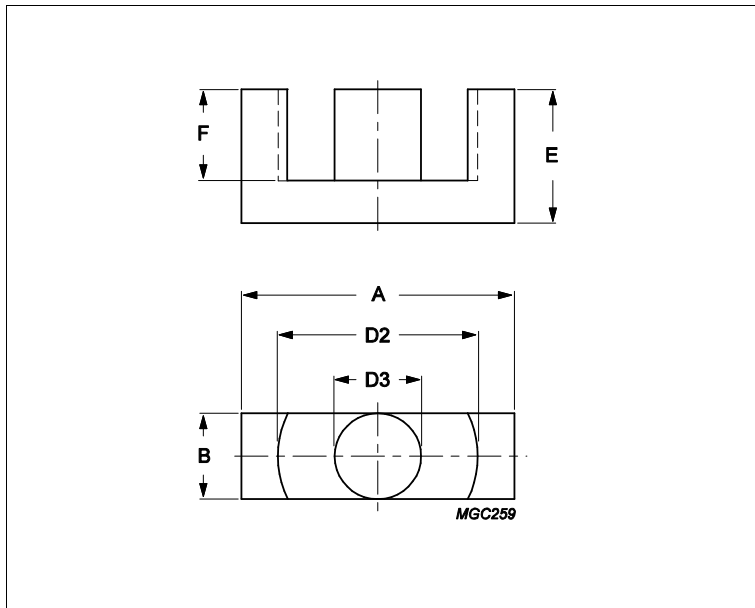


## Core **ETD34/17/11**



| Effective parameters |                  |       |                  |
|----------------------|------------------|-------|------------------|
|                      | Parameter        | Value | Unit             |
| $\Sigma(I/A)$        | core factor (C1) | 0.81  | mm <sup>-1</sup> |
| <b>Ve</b>            | effective volume | 7640  | mm <sup>3</sup>  |
| <b>Le</b>            | effective length | 78.6  | mm               |
| <b>Ae</b>            | effective area   | 97.1  | mm <sup>2</sup>  |
| <b>Amin</b>          | minimum area     | 91.6  | mm <sup>2</sup>  |
| <b>m</b>             | ETD34/17/11      | ≈ 20  | g/pcs            |

| Dimensions for product: ETD34/17/11 |       |       |       |       |       |      |
|-------------------------------------|-------|-------|-------|-------|-------|------|
|                                     | Nom   | Tol + | Tol - | Max   | Min   | Unit |
| <b>A</b>                            | 35.00 | 0.00  | 1.60  | 35.00 | 33.40 | mm   |
| <b>B</b>                            | 11.10 | 0.00  | 0.60  | 11.10 | 10.50 | mm   |
| <b>D2</b>                           | 25.60 | 1.40  | 0.00  | 27.00 | 25.60 | mm   |
| <b>D3</b>                           | 11.10 | 0.00  | 0.60  | 11.10 | 10.50 | mm   |
| <b>E</b>                            | 17.30 | 0.20  | 0.20  | 17.50 | 17.10 | mm   |
| <b>F</b>                            | 11.80 | 0.60  | 0.00  | 12.40 | 11.80 | mm   |

| Inductance factor |       |       |       |                       |  |
|-------------------|-------|-------|-------|-----------------------|--|
| Material          | Value | Tol + | Tol - | Unit                  |  |
| 3C94              | 2700  | 25%   | 25%   | nH/turns <sup>2</sup> |  |
| 3C95              | 3270  | 25%   | 25%   | nH/turns <sup>2</sup> |  |
| 3C96              | 2500  | 25%   | 25%   | nH/turns <sup>2</sup> |  |
| 3C97              | 3270  | 25%   | 25%   | nH/turns <sup>2</sup> |  |
| 3F36              | 1800  | 25%   | 25%   | nH/turns <sup>2</sup> |  |
| 3F46              | 1100  | 25%   | 25%   | nH/turns <sup>2</sup> |  |

| Power loss: 3C94     |        |        |       |       |  |
|----------------------|--------|--------|-------|-------|--|
| Measuring conditions |        |        | Max   | Unit  |  |
| 100 kHz              | 200 mT | 100 °C | 3.800 | W/set |  |
| Power loss: 3C95     |        |        |       |       |  |
| Measuring conditions |        |        | Max   | Unit  |  |
| 100 kHz              | 200 mT | 100 °C | 3.700 | W/set |  |
| 100 kHz              | 200 mT | 25 °C  | 4.000 | W/set |  |

## Core **ETD34/17/11**

| Power loss: 3C96     |        |        |       |       |
|----------------------|--------|--------|-------|-------|
| Measuring conditions |        |        | Max   | Unit  |
| 100 kHz              | 200 mT | 100 °C | 3.400 | W/set |
| 400 kHz              | 50 mT  | 100 °C | 1.400 | W/set |
| Power loss: 3C97     |        |        |       |       |
| Measuring conditions |        |        | Max   | Unit  |
| 100 kHz              | 200 mT | 60 °C  | 3.800 | W/set |
| 100 kHz              | 200 mT | 120 °C | 3.700 | W/set |
| 100 kHz              | 200 mT | 140 °C | 4.600 | W/set |
| Power loss: 3F36     |        |        |       |       |
| Measuring conditions |        |        | Max   | Unit  |
| 500 kHz              | 50 mT  | 100 °C | 1.100 | W/set |
| 500 kHz              | 100 mT | 100 °C | 8.800 | W/set |
| Power loss: 3F46     |        |        |       |       |
| Measuring conditions |        |        | Max   | Unit  |
| 1000 kHz             | 50 mT  | 100 °C | 3.800 | W/set |
| 3000 kHz             | 10 mT  | 100 °C | 2.300 | 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 | 3C96     | 340 | mT   |
| 25 kHz               | 250 A/m | 100 °C | 3C97     | 330 | mT   |
| 25 kHz               | 250 A/m | 100 °C | 3F36     | 340 | mT   |
| 25 kHz               | 250 A/m | 100 °C | 3F46     | 330 | mT   |

| Accessories        |                                       |               |
|--------------------|---------------------------------------|---------------|
| Ordering name      | Description                           | Ordering code |
| CLI-ETD34          | Clip                                  | 432202133892  |
| CPH-ETD34-1S-14P   | Coil former, termoplastic, horizontal | 432202101641  |
| CPH-ETD34-1S-14P   | Coil former, termoplastic, horizontal | 432202133852  |
| CSCI-ETD34-1S-7P-T | Coil former, termoset, coaxial, inner | 432202104341  |
| CSCO-ETD34-1S-7P-T | Coil former, termoset, coaxial, outer | 432202104351  |