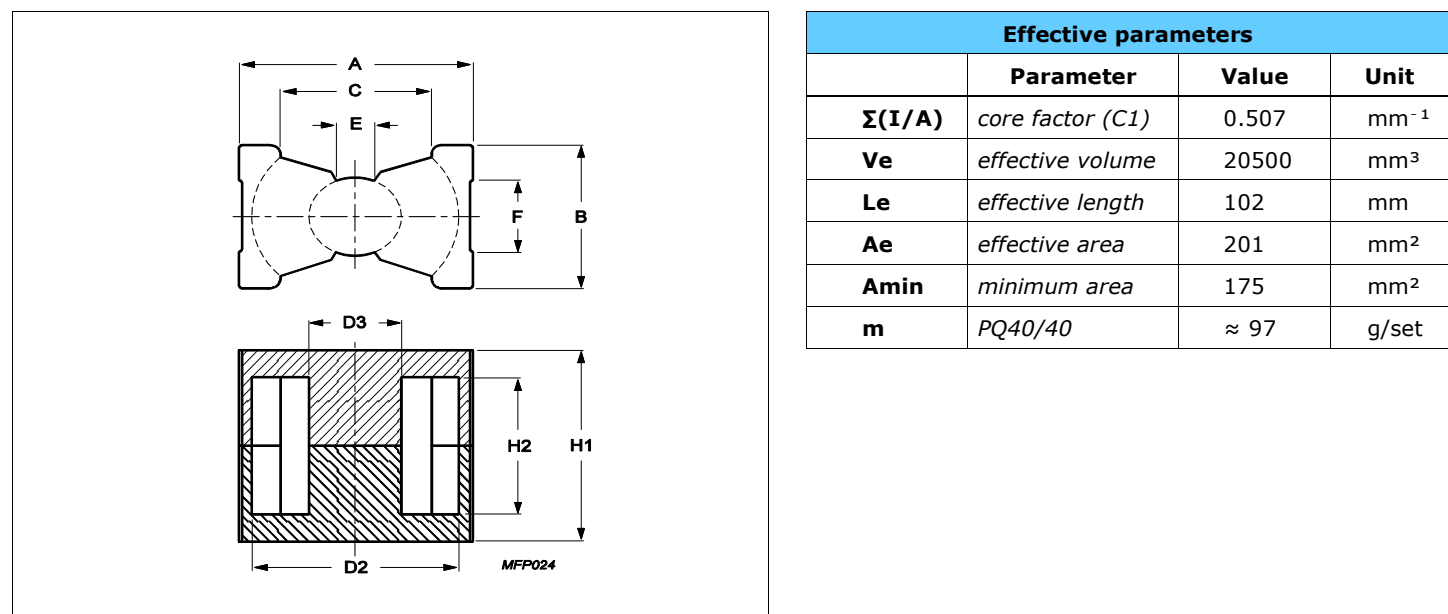


Core

PQ40/40



| Dimensions for product: PQ40/40 |       |       |       |       |       |      |
|---------------------------------|-------|-------|-------|-------|-------|------|
|                                 | Nom   | Tol + | Tol - | Max   | Min   | Unit |
| <b>A</b>                        | 41.50 | 0.90  | 0.90  | 42.40 | 40.60 | mm   |
| <b>B</b>                        | 28.00 | 0.60  | 0.60  | 28.60 | 27.40 | mm   |
| <b>C</b>                        |       |       |       |       | 28.00 | mm   |
| <b>D2</b>                       | 37.00 | 0.60  | 0.60  | 37.60 | 36.40 | mm   |
| <b>D3</b>                       | 14.90 | 0.30  | 0.30  | 15.20 | 14.60 | mm   |
| <b>E</b>                        |       |       |       |       | 6.05  | mm   |
| <b>F</b>                        |       |       |       |       | 15.00 | mm   |
| <b>H1</b>                       | 39.80 | 0.30  | 0.30  | 40.10 | 39.50 | mm   |
| <b>H2</b>                       | 29.50 | 0.40  | 0.40  | 29.90 | 29.10 | mm   |

| Inductance factor |       |       |       |                       |
|-------------------|-------|-------|-------|-----------------------|
| Material          | Value | Tol + | Tol - | Unit                  |
| 3C94              | 4900  | 25%   | 25%   | nH/turns <sup>2</sup> |
| 3C95              | 6100  | 25%   | 25%   | nH/turns <sup>2</sup> |
| 3C96              | 4200  | 25%   | 25%   | nH/turns <sup>2</sup> |
| 3C97              | 6100  | 25%   | 25%   | nH/turns <sup>2</sup> |
| 3F36              | 2900  | 25%   | 25%   | nH/turns <sup>2</sup> |
| 3F4               | 2100  | 25%   | 25%   | nH/turns <sup>2</sup> |

| Power loss: 3C94     |        |        |        |       |
|----------------------|--------|--------|--------|-------|
| Measuring conditions |        |        | Max    | Unit  |
| 100 kHz              | 200 mT | 100 °C | 10.000 | W/set |
| Power loss: 3C95     |        |        |        |       |
| Measuring conditions |        |        | Max    | Unit  |

Core

PQ40/40

| Power loss: 3C95     |        |        |        |       |
|----------------------|--------|--------|--------|-------|
| Measuring conditions |        |        | Max    | Unit  |
| 100 kHz              | 200 mT | 100 °C | 9.800  | W/set |
| 100 kHz              | 200 mT | 25 °C  | 11.000 | W/set |
| Power loss: 3C96     |        |        |        |       |
| Measuring conditions |        |        | Max    | Unit  |
| 100 kHz              | 200 mT | 100 °C | 9.200  | W/set |
| 400 kHz              | 50 mT  | 100 °C | 4.200  | W/set |
| Power loss: 3C97     |        |        |        |       |
| Measuring conditions |        |        | Max    | Unit  |
| 100 kHz              | 200 mT | 60 °C  | 10.000 | W/set |
| 100 kHz              | 200 mT | 120 °C | 9.800  | W/set |
| 100 kHz              | 200 mT | 140 °C | 12.000 | W/set |
| Power loss: 3F36     |        |        |        |       |
| Measuring conditions |        |        | Max    | Unit  |
| 500 kHz              | 50 mT  | 100 °C | 3.200  | W/set |
| 500 kHz              | 100 mT | 100 °C | 24.000 | W/set |
| Power loss: 3F4      |        |        |        |       |
| Measuring conditions |        |        | Max    | Unit  |
| 1000 kHz             | 30 mT  | 100 °C | 6.600  | W/set |
| 3000 kHz             | 10 mT  | 100 °C | 10.000 | 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 | 3F4      | 330 | mT   |

| Accessories        |                                 |                    |
|--------------------|---------------------------------|--------------------|
| Ordering name      | Description                     | Ordering code      |
| CLM/P-PQ40/40      | Clamp, with ground pin          | F0MPQ04040CLMP000P |
| CSV-PQ40/40-1S-12P | Coil former, termoset, vertical | F0SPQ04040CV00112P |