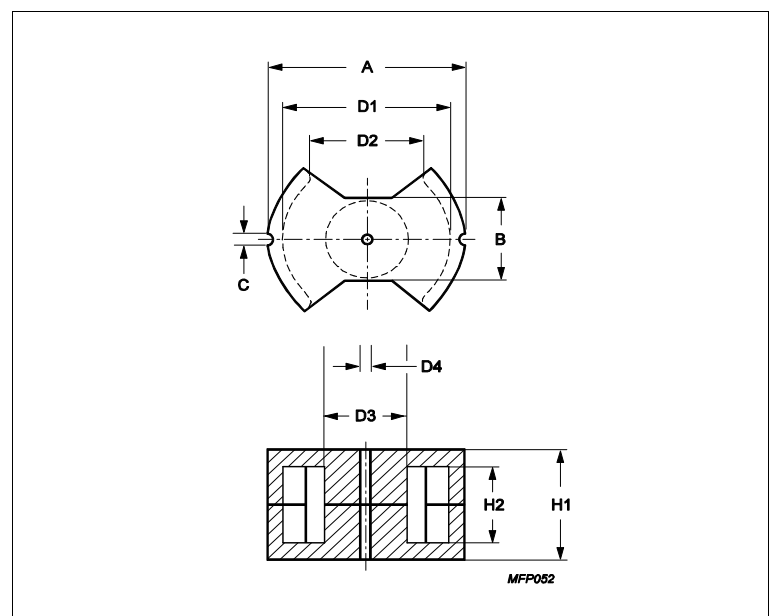


Core

PM87/70



| Effective parameters |                  |        |                  |
|----------------------|------------------|--------|------------------|
|                      | Parameter        | Value  | Unit             |
| $\Sigma(I/A)$        | core factor (C1) | 0.161  | mm <sup>-1</sup> |
| <b>Ve</b>            | effective volume | 133000 | mm <sup>3</sup>  |
| <b>Le</b>            | effective length | 146    | mm               |
| <b>Ae</b>            | effective area   | 910    | mm <sup>2</sup>  |
| <b>Amin</b>          | minimum area     | 700    | mm <sup>2</sup>  |
| <b>m</b>             | PM87/70          | ≈ 770  | g/set            |

| Dimensions for product: PM87/70 |       |       |       |       |       |      |
|---------------------------------|-------|-------|-------|-------|-------|------|
|                                 | Nom   | Tol + | Tol - | Max   | Min   | Unit |
| <b>A</b>                        | 87.00 | 0.00  | 3.00  | 87.00 | 84.00 | mm   |
| <b>B</b>                        | 35.00 | 1.00  | 1.00  | 36.00 | 34.00 | mm   |
| <b>C</b>                        | 5.00  | 0.00  | 0.40  | 5.00  | 4.60  | mm   |
| <b>D1</b>                       | 67.10 | 2.10  | 0.00  | 69.20 | 67.10 | mm   |
| <b>D2</b>                       | 41.00 | 1.50  | 1.50  | 42.50 | 39.50 | mm   |
| <b>D3</b>                       | 31.70 | 0.00  | 1.00  | 31.70 | 30.70 | mm   |
| <b>D4</b>                       | 8.50  | 0.30  | 0.00  | 8.80  | 8.50  | mm   |
| <b>H1</b>                       | 70.00 | 0.00  | 0.80  | 70.00 | 69.20 | mm   |
| <b>H2</b>                       | 48.00 | 0.80  | 0.00  | 48.80 | 48.00 | mm   |

| Inductance factor |       |       |       |                       |
|-------------------|-------|-------|-------|-----------------------|
| Material          | Value | Tol + | Tol - | Unit                  |
| 3C94              | 15000 | 25%   | 25%   | nH/turns <sup>2</sup> |

| Power loss: 3C94     |        |        |        |       |
|----------------------|--------|--------|--------|-------|
| Measuring conditions |        |        | Max    | Unit  |
| 100 kHz              | 200 mT | 100 °C | 85.000 | W/set |

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