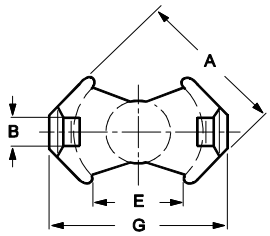
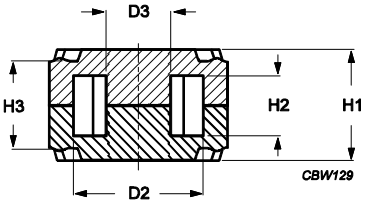
# Core **RM7/I**




| Effective parameters | | | |
|---|---|---|---|
| | **Parameter** | **Value** | **Unit** |
| **Σ(I/A)** | *core factor (C1)* | 0.68 | $mm^{-1}$ |
| **Ve** | *effective volume* | 1325 | $mm^3$ |
| **Le** | *effective length* | 30 | mm |
| **Ae** | *effective area* | 44.1 | $mm^2$ |
| **Amin** | *minimum area* | 39.6 | $mm^2$ |
| **m** | *RM7/I* | ≈ 7.5 | g/set |

| Dimensions for product: RM7/I | | | | | | |
|---|---|---|---|---|---|---|
| | **Nom** | **Tol +** | **Tol -** | **Max** | **Min** | **Unit** |
| **A** | 17.20 | 0.00 | 0.70 | 17.20 | 16.50 | mm |
| **B** | 3.30 | | | 3.30 | 3.30 | mm |
| **D2** | 14.75 | 0.60 | 0.00 | 15.35 | 14.75 | mm |
| **D3** | 7.25 | 0.00 | 0.30 | 7.25 | 6.95 | mm |
| **E** | | | | | 9.30 | mm |
| **G** | 20.30 | 0.00 | 0.80 | 20.30 | 19.50 | mm |
| **H1** | 13.40 | 0.10 | 0.10 | 13.50 | 13.30 | mm |
| **H2** | 8.40 | 0.50 | 0.00 | 8.90 | 8.40 | mm |
| **H3** | 11.30 | 0.25 | 0.25 | 11.55 | 11.05 | mm |

| Inductance factor | | | | |
|---|---|---|---|---|
| **Material** | **Value** | **Tol +** | **Tol -** | **Unit** |
| 3C95 | 3700 | 25% | 25% | $nH/turns^2$ |
| 3F36 | 2000 | 25% | 25% | $nH/turns^2$ |
| 3F46 | 1200 | 25% | 25% | $nH/turns^2$ |

| Power loss: 3C95 | | | | |
|---|---|---|---|---|
| **Measuring conditions** | | | **Max** | **Unit** |
| 100 kHz | 200 mT | 100 ºC | 0.640 | W/set |
| 100 kHz | 200 mT | 25 ºC | 0.690 | W/set |
| **Power loss: 3F36** | | | | |
| **Measuring conditions** | | | **Max** | **Unit** |
| 500 kHz | 50 mT | 100 ºC | 0.200 | W/set |
| 500 kHz | 100 mT | 100 ºC | 1.500 | W/set |

# Core **RM7/I**

| Power loss: 3F46 | | | | |
|---|---|---|---|---|
| **Measuring conditions** | | | **Max** | **Unit** |
| 1000 kHz | 50 mT | 100 ºC | 0.530 | W/set |
| 3000 kHz | 10 mT | 100 ºC | 0.230 | W/set |

| Bsat | | | | | |
|---|---|---|---|---|---|
| **Measuring conditions** | | | **Material** | **Min** | **Unit** |
| 25 kHz | 250 A/m | 100 ºC | 3C95 | 330 | mT |
| 25 kHz | 250 A/m | 100 ºC | 3F36 | 340 | mT |
| 25 kHz | 250 A/m | 100 ºC | 3F46 | 330 | mT |

| Accessories | | |
|---|---|---|
| **Ordering name** | **Description** | **Ordering code** |
| CLI/P-RM7 | Clip, with ground pin | 431302103951 |
| CLI-RM7/I | Clip | 432202104561 |
| CSV-RM7/I-1S-8P | Coil former, termoset, vertical | 432202134631 |
| CSV-RM7-1S-4P-C | Coil former, termoset, vertical | 432202104441 |
| CSV-RM7-1S-5P-C | Coil former, termoset, vertical | 432202107201 |
| CSV-RM7-1S-8P-C | Coil former, termoset, vertical | 432202104571 |
| CSV-RM7-2S-8P-TZ | Coil former, termoset, vertical | 432202106761 |
| CSVS-RM7-1S-8P-Z | Coil former, termoset, vertical, SMD | 432202106391 |