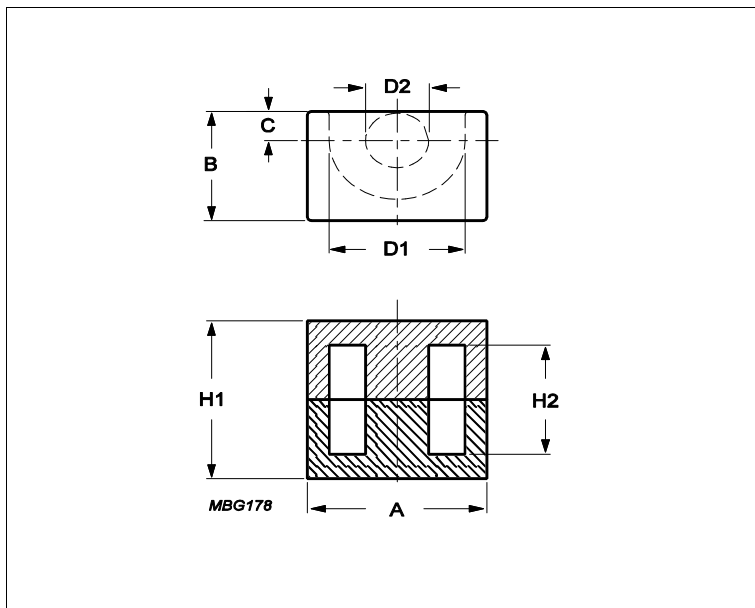


Core **EP10**



| Effective parameters | | | |
|----------------------|------------------|-------|------------------|
| | Parameter | Value | Unit |
| $\Sigma(I/A)$ | core factor (C1) | 1.7 | mm ⁻¹ |
| Ve | effective volume | 215 | mm ³ |
| Le | effective length | 19.3 | mm |
| Ae | effective area | 11.3 | mm ² |
| Amin | minimum area | 8.55 | mm ² |
| m | EP10 | ≈ 2.8 | g/set |

Dimensions for product: EP10

| | Nom | Tol + | Tol - | Max | Min | Unit |
|-----------|-------|-------|-------|-------|-------|------|
| A | 11.50 | 0.30 | 0.30 | 11.80 | 11.20 | mm |
| B | 7.60 | 0.20 | 0.20 | 7.80 | 7.40 | mm |
| C | 1.80 | 0.13 | 0.13 | 1.93 | 1.67 | mm |
| D1 | 9.40 | 0.20 | 0.20 | 9.60 | 9.20 | mm |
| D2 | 3.30 | 0.15 | 0.15 | 3.45 | 3.15 | mm |
| H1 | 10.20 | 0.20 | 0.20 | 10.40 | 10.00 | mm |
| H2 | 7.40 | 0.20 | 0.20 | 7.60 | 7.20 | mm |

Inductance factor

| Material | Value | Tol + | Tol - | Unit |
|----------|-------|-------|-------|-----------------------|
| 3C91 | 1200 | 25% | 25% | nH/turns ² |
| 3C96 | 1000 | 25% | 25% | nH/turns ² |
| 3F36 | 800 | 25% | 25% | nH/turns ² |
| 3F46 | 460 | 25% | 25% | nH/turns ² |

Power loss: 3C91

| Measuring conditions | | | Max | Unit |
|----------------------|--------|-------|-------|-------|
| 100 kHz | 200 mT | 60 °C | 0.110 | W/set |

Power loss: 3C96

| Measuring conditions | | | Max | Unit |
|----------------------|--------|--------|-------|-------|
| 100 kHz | 200 mT | 100 °C | 0.097 | W/set |
| 400 kHz | 50 mT | 100 °C | 0.039 | W/set |

Power loss: 3F36

| Measuring conditions | | | Max | Unit |
|----------------------|--|--|-----|------|
|----------------------|--|--|-----|------|

Core **EP10**

Power loss: 3F36

| Measuring conditions | | | Max | Unit |
|----------------------|--------|--------|-------|-------|
| 500 kHz | 50 mT | 100 °C | 0.032 | W/set |
| 500 kHz | 100 mT | 100 °C | 0.250 | W/set |

Power loss: 3F46

| Measuring conditions | | | Max | Unit |
|----------------------|-------|--------|-------|-------|
| 1000 kHz | 50 mT | 100 °C | 0.086 | W/set |
| 3000 kHz | 10 mT | 100 °C | 0.022 | W/set |

Bsat

| Measuring conditions | | | Material | Min | Unit |
|----------------------|---------|--------|----------|-----|------|
| 25 kHz | 250 A/m | 100 °C | 3C91 | 320 | mT |
| 25 kHz | 250 A/m | 100 °C | 3C96 | 340 | 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 |
|-------------------|----------------------------------------|---------------|
| CLA-EP10 | Clasp | 432202101481 |
| CLI-EP10 | Clip | 432202100781 |
| CSH-EP10-1S-8P | Coil former, termoset, horizontal | 432202100461 |
| CSH-EP10-2S-8P | Coil former, termoset, horizontal | 432202100471 |
| CSHS-EP10-1S-8P-T | Coil former, termoset, horizontal, SMD | 432202103191 |
| SPR-EP10 | Spring | 432202101471 |