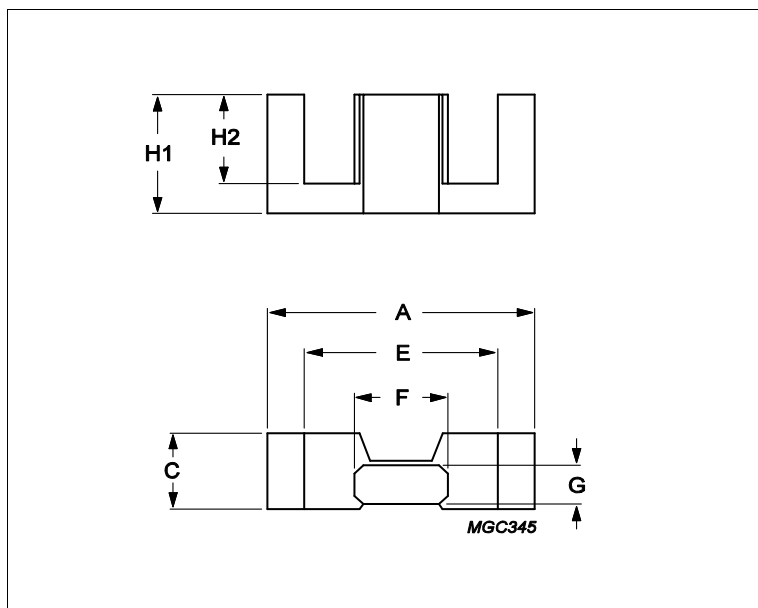


Core **EFD20/10/7**



| Effective parameters | | | |
|----------------------|------------------|-------|------------------|
| | Parameter | Value | Unit |
| $\Sigma(I/A)$ | core factor (C1) | 1.52 | mm ⁻¹ |
| Ve | effective volume | 1460 | mm ³ |
| Le | effective length | 47 | mm |
| Ae | effective area | 31 | mm ² |
| Amin | minimum area | 29 | mm ² |
| m | EFD20/10/7 | ≈ 3.5 | g/pcs |

| Dimensions for product: EFD20/10/7 | | | | | | |
|------------------------------------|-------|-------|-------|-------|-------|------|
| | Nom | Tol + | Tol - | Max | Min | Unit |
| A | 20.00 | 0.55 | 0.55 | 20.55 | 19.45 | mm |
| C | 6.65 | 0.15 | 0.15 | 6.80 | 6.50 | mm |
| E | 15.40 | 0.50 | 0.50 | 15.90 | 14.90 | mm |
| F | 8.90 | 0.20 | 0.20 | 9.10 | 8.70 | mm |
| G | 3.60 | 0.15 | 0.15 | 3.75 | 3.45 | mm |
| H1 | 10.00 | 0.15 | 0.15 | 10.15 | 9.85 | mm |
| H2 | 7.70 | 0.25 | 0.25 | 7.95 | 7.45 | mm |

| Inductance factor | | | | | |
|-------------------|-------|-------|-------|-----------------------|--|
| Material | Value | Tol + | Tol - | Unit | |
| 3C95 | 1540 | 25% | 25% | nH/turns ² | |
| 3C96 | 1200 | 25% | 25% | nH/turns ² | |
| 3F36 | 950 | 25% | 25% | nH/turns ² | |
| 3F46 | 580 | 25% | 25% | nH/turns ² | |

| Power loss: 3C95 | | | | | |
|----------------------|--------|--------|-------|-------|--|
| Measuring conditions | | | Max | Unit | |
| 100 kHz | 200 mT | 100 °C | 0.700 | W/set | |
| 100 kHz | 200 mT | 25 °C | 0.760 | W/set | |
| Power loss: 3C96 | | | | | |
| Measuring conditions | | | Max | Unit | |
| 100 kHz | 200 mT | 100 °C | 0.660 | W/set | |
| 400 kHz | 50 mT | 100 °C | 0.260 | W/set | |

Core **EFD20/10/7**

| Power loss: 3F36 | | | | |
|----------------------|--------|--------|-------|-------|
| Measuring conditions | | | Max | Unit |
| 500 kHz | 50 mT | 100 °C | 0.220 | W/set |
| 500 kHz | 100 mT | 100 °C | 1.700 | W/set |

| Power loss: 3F46 | | | | |
|----------------------|-------|--------|-------|-------|
| Measuring conditions | | | Max | Unit |
| 1000 kHz | 50 mT | 100 °C | 0.580 | W/set |
| 3000 kHz | 10 mT | 100 °C | 0.220 | W/set |

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

| Accessories | | |
|---------------------|--|---------------|
| Ordering name | Description | Ordering code |
| CLI-EFD20 | Clip | 432202135151 |
| CLM-EFD20 | Clamp | 432202102211 |
| CPH-EFD20-1S-10PD-Z | Coil former, termoplastic, horizontal | 432202106161 |
| CPHS-EFD20/7-1S-10P | Coil former, termoplastic, horizontal, S | 432202100071 |
| CSH-EFD20-1S-8P-IZ | Coil former, termoset, horizontal | 432202106931 |
| CSH-EFD20-1S-8P-TZ | Coil former, termoset, horizontal | 432202106291 |
| CSHS-EFD20-1S-10P-Z | Coil former, termoset, horizontal, SMD | 432202106091 |
| CSHS-EFD20-1S-12P | Coil former, termoset, horizontal, SMD | 432202104331 |