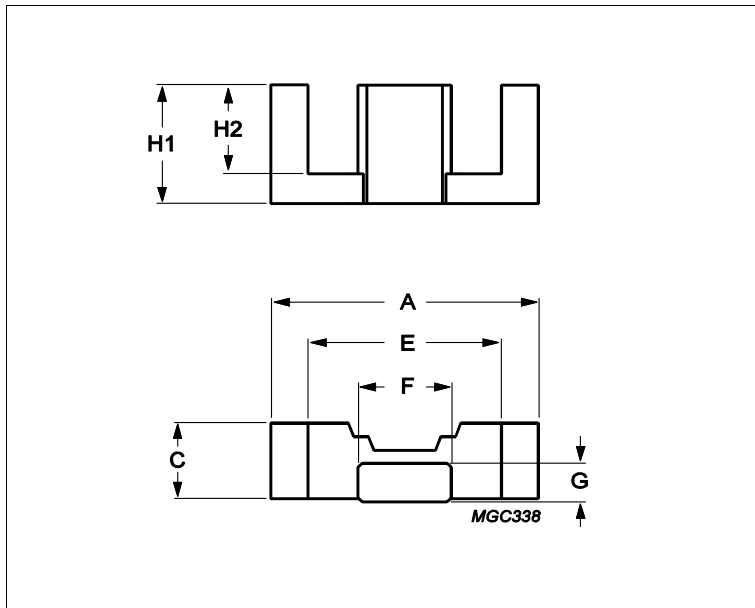


Core **EFD12/6/3.5**



| Effective parameters | | | |
|----------------------|------------------|-------|------------------|
| | Parameter | Value | Unit |
| $\Sigma(I/A)$ | core factor (C1) | 2.5 | mm ⁻¹ |
| Ve | effective volume | 325 | mm ³ |
| Le | effective length | 28.5 | mm |
| Ae | effective area | 11.4 | mm ² |
| Amin | minimum area | 10.7 | mm ² |
| m | EFD12/6/3.5 | ≈ 0.9 | g/pcs |

Dimensions for product: EFD12/6/3.5

| | Nom | Tol + | Tol - | Max | Min | Unit |
|-----------|-------|-------|-------|-------|-------|------|
| A | 12.50 | 0.30 | 0.30 | 12.80 | 12.20 | mm |
| C | 3.50 | 0.10 | 0.10 | 3.60 | 3.40 | mm |
| E | 9.00 | 0.25 | 0.25 | 9.25 | 8.75 | mm |
| F | 5.40 | 0.15 | 0.15 | 5.55 | 5.25 | mm |
| G | 2.00 | 0.10 | 0.10 | 2.10 | 1.90 | mm |
| H1 | 6.20 | 0.10 | 0.10 | 6.30 | 6.10 | mm |
| H2 | 4.55 | 0.15 | 0.15 | 4.70 | 4.40 | mm |

Inductance factor

| Material | Value | Tol + | Tol - | Unit |
|----------|-------|-------|-------|-----------------------|
| 3C95 | 990 | 25% | 25% | nH/turns ² |
| 3C96 | 750 | 25% | 25% | nH/turns ² |
| 3F36 | 570 | 25% | 25% | nH/turns ² |
| 3F46 | 330 | 25% | 25% | nH/turns ² |

Power loss: 3C95

| Measuring conditions | | | Max | Unit |
|----------------------|--------|--------|-------|-------|
| 100 kHz | 200 mT | 100 °C | 0.160 | W/set |
| 100 kHz | 200 mT | 25 °C | 0.170 | W/set |

Power loss: 3C96

| Measuring conditions | | | Max | Unit |
|----------------------|--------|--------|-------|-------|
| 100 kHz | 200 mT | 100 °C | 0.150 | W/set |
| 400 kHz | 50 mT | 100 °C | 0.058 | W/set |

Core **EFD12/6/3.5**

| Power loss: 3F36 | | | | |
|----------------------|--------|--------|-------|-------|
| Measuring conditions | | | Max | Unit |
| 500 kHz | 50 mT | 100 °C | 0.049 | W/set |
| 500 kHz | 100 mT | 100 °C | 0.370 | W/set |
| Power loss: 3F46 | | | | |
| Measuring conditions | | | Max | Unit |
| 1000 kHz | 50 mT | 100 °C | 0.130 | W/set |
| 3000 kHz | 10 mT | 100 °C | 0.033 | 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 |
| CLM-EFD12 | Clamp | 432202100911 |
| CPH-EFD12-1S-8P-Z | Coil former, termoplastic, horizontal | 432202106451 |
| CPHS-EFD12-1S-8P-Z | Coil former, termoplastic, horizontal, S | 432202106171 |