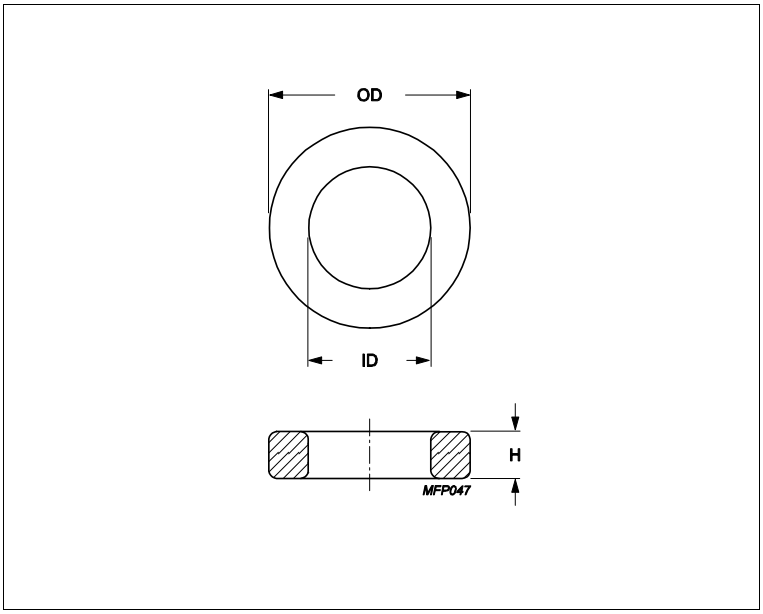
# Core **Toroid 107/65/18**




| Effective parameters | | | |
|---|---|---|---|
| | **Parameter** | **Value** | **Unit** |
| **Σ(I/A)** | *core factor (C1)* | 0.7 | $mm^{-1}$ |
| **Ve** | *effective volume* | 96000 | $mm^3$ |
| **Le** | *effective length* | 259 | mm |
| **Ae** | *effective area* | 370 | $mm^2$ |
| **m** | *mass of core* | ≈ 456 | g/pcs |

Epoxy coating DC isolation voltage 2000.

Maximum operating temperature of the coating is 200ºC.

| Dimensions (mm) | | | | |
|---|---|---|---|---|
| **Cores** | **OD** | **ID** | **H** | |
| **T107/65/18** | 107 ± 2 | 65 ± 1.3 | 18 ± 0.35 | Uncoated |
| **TX107/65/18** | 109.5 max | 63.3 min | 18.85 max | Epoxy Coated |

| Core data | | | | |
|---|---|---|---|---|
| **Cores** | **Material** | **Al (nH/turns²)** | **Al tolerance** | **μe** |
| **T107/65/18** | 3C11 | 7720 | ± 25% | ≈ 4300 |
| **T107/65/18** | 3C94 | 4130 | ± 25% | ≈ 2300 |
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