



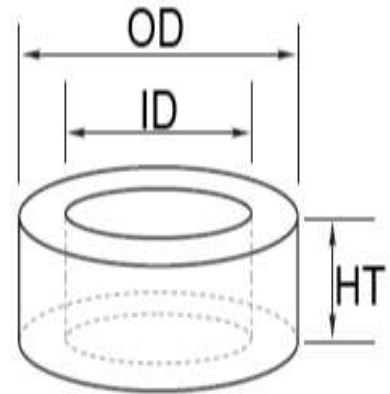
Specification of Magnetic Powder Core

Mirrack
[www.mirrack.com\(CN\)](http://www.mirrack.com(CN))
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| Part Number | Product Series | Permeability (u) | A _L (nH/N ²) | Coating Color | Coating Material | Coating Breakdown Voltage |
|-------------|---------------------|------------------|-------------------------------------|---------------|------------------|---------------------------|
| MKF166-026 | MKF | 26 | 15±8% | Blue | Epoxy | 800Vac / 0.5mA /3sec |
| Description | Toroidal Si-Fe Core | | | | | |

Core Dimensions

| Dimensions | Before Coating | | After Coating | | Min / Max |
|------------|----------------|-------|---------------|-------|-----------|
| | inch | mm | inch | mm | |
| OD | 0.650 | 16.50 | 0.680 | 17.40 | Max |
| ID | 0.400 | 10.20 | 0.375 | 9.53 | Min |
| HT | 0.250 | 17.40 | 0.286 | 7.11 | Max |



Physical Characteristics & Packaging

| Path Length Le (cm) | Cross Section Ae (cm ²) | Core Volume Ve (cm ³) | Window Area Wa (cm ²) | Weight (g) | Box QTY (pcs) |
|---------------------|-------------------------------------|-----------------------------------|-----------------------------------|------------|---------------|
| 4.110 | 0.192 | 0.789 | 0.713 | 5.5 ± 5% | 4000 |

Electrical Features (@25°C±2°C)

| Test Item | Condition | Value (Typical) |
|------------|--|---------------------------|
| Inductance | ∅0.5 mm, 50TS, 100KHz, 1.0V, 0A | 37.5uH±8% |
| DC-Bias | ∅0.5 mm, 50TS, 100KHz, 1.0V, I _{DC(100 Oe)} = 6.576 A | 88%Min |
| Core Loss | ∅0.5mm, 50TS, 50KHz, 1000Gauss | 820mW/cm ³ Max |
| Hi-Pot | 800Vac, 0.5mA, 3 sec | PASS |

DC Bias Curves

