



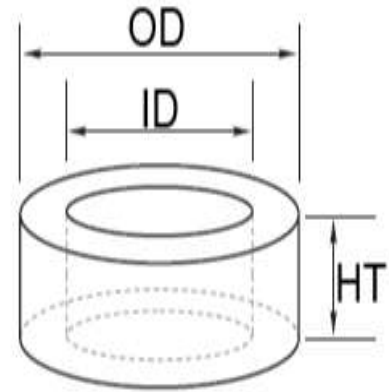
Specification of Magnetic Powder Core

Mirrack
[www.mirrack.com\(CN\)](http://www.mirrack.com(CN))
[www.mirrack.com.cn\(EN\)](http://www.mirrack.com.cn(EN))

| Part Number | Product Series | Permeability (u) | A _L (nH/N ²) | Coating Color | Coating Material | Coating Breakdown Voltage |
|-------------|-------------------|------------------|-------------------------------------|---------------|------------------|---------------------------|
| MKU343-026 | MKU | 26 | 16±8% | Brown | Epoxy | 1.2KVac / 0.5mA / 3sec |
| Description | Toroidal MKU Core | | | | | |

Core Dimensions

| Dimensions | Before Coating | | After Coating | | Min / Max |
|------------|----------------|-------|---------------|-------|-----------|
| | inch | mm | inch | mm | |
| OD | 1.350 | 34.30 | 1.382 | 35.10 | Max |
| ID | 0.920 | 23.40 | 0.888 | 22.56 | Min |
| HT | 0.350 | 8.89 | 0.387 | 9.83 | 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) |
|------------------------|----------------------------------------|--------------------------------------|--------------------------------------|---------------|---------------|
| 8.950 | 0.454 | 4.060 | 4.010 | 26.5±5% | 441 |

Electrical Features (@25°C±2°C)

| Test Item | Condition | Value (Typical) |
|------------|----------------------------------------------------------------|---------------------------|
| Inductance | ∅1.0 mm, 50TS, 100KHz, 1.0V, 0A | 40uH±8% |
| DC-Bias | ∅1.0 mm, 50TS, 100KHz, 1.0V, I _{DC(100 Oe)} = 14.25 A | 82% Min |
| Core Loss | ∅1.0mm, 50TS, 50KHz, 1000Gauss | 670mW/cm ³ Max |
| Hi-Pot | 1.2KVac, 0.5mA, 3 sec | PASS |

DC Bias Curves

