



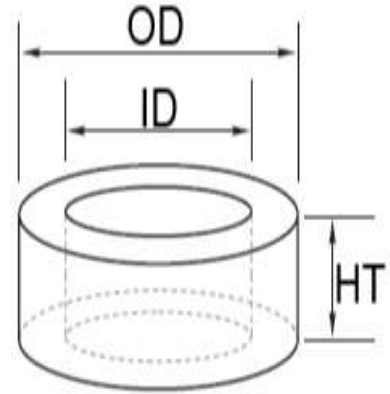
Specification of Magnetic Powder Core

Mirrack
www.mirrack.com(CN)
www.mirrack.com.cn (EN)

| Part Number | Product Series | Permeability (u) | A_L (nH/N ²) | Coating Color | Coating Material | Coating Breakdown Voltage |
|-------------|-------------------|------------------|----------------------------|---------------|------------------|---------------------------|
| MKU777-026 | MKU | 26 | 30±8% | Brown | Epoxy | 1.5KVac / 0.5mA / 3sec |
| Description | Toroidal MKU Core | | | | | |

Core Dimensions

| Dimensions | Before Coating | | After Coating | | Min / Max |
|------------|----------------|-------|---------------|-------|-----------|
| | inch | mm | inch | mm | |
| OD | 3.063 | 77.80 | 3.108 | 78.90 | Max |
| ID | 1.938 | 49.20 | 1.898 | 48.20 | Min |
| HT | 0.500 | 12.70 | 0.545 | 13.84 | 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) |
|------------------------|--|--------------------------------------|--------------------------------------|---------------|---------------|
| 20.000 | 1.770 | 34.700 | 17.990 | 240±5% | 64 |

Electrical Features (@25°C±2°C)

| Test Item | Condition | Value (Typical) |
|------------|---|---------------------------|
| Inductance | ∅1.0 mm, 50TS, 100KHz, 1.0V, 0A | 75uH±8% |
| DC-Bias | ∅1.0 mm, 50TS, 100KHz, 1.0V, I _{DC(100 Oe)} =31.84 A | 82% Min |
| Core Loss | ∅1.0mm, 50TS, 50KHz, 1000Gauss | 670mW/cm ³ Max |
| Hi-Pot | 1.5KVac, 0.5mA, 3 sec | PASS |

DC Bias Curves

