



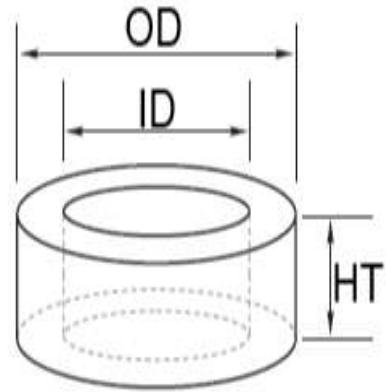
## Specification of Magnetic Powder Core

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

| Part Number | Product Series    | Permeability (u) | $A_L$ (nH/N <sup>2</sup> ) | Coating Color | Coating Material | Coating Breakdown Voltage |
|-------------|-------------------|------------------|----------------------------|---------------|------------------|---------------------------|
| MKU330-026  | MKU               | 26               | $28 \pm 8\%$               | Brown         | Epoxy            | 1.2KVac / 0.5mA / 3sec    |
| Description | MKU Toroidal Core |                  |                            |               |                  |                           |

### Core Dimensions

| Dimensions | Before Coating |       | After Coating |       | Min / Max |
|------------|----------------|-------|---------------|-------|-----------|
|            | inch           | mm    | inch          | mm    |           |
| OD         | 1.300          | 33.00 | 1.332         | 33.83 | Max       |
| ID         | 0.785          | 19.90 | 0.760         | 19.30 | Min       |
| HT         | 0.420          | 10.70 | 0.457         | 11.61 | Max       |



### Physical Characteristics & Packaging

| Path Length<br>Le (cm) | Cross Section<br>Ae (cm <sup>2</sup> ) | Core Volume<br>Ve (cm <sup>3</sup> ) | Window Area<br>Wa (cm <sup>2</sup> ) | Weight<br>(g)  | Box QTY (pcs) |
|------------------------|----------------------------------------|--------------------------------------|--------------------------------------|----------------|---------------|
| 8.150                  | 0.672                                  | 5.480                                | 2.930                                | $31.5 \pm 5\%$ | 441           |

### Electrical Features (@25°C±2°C)

| Test Item  | Condition                                                             | Value (Typical)           |
|------------|-----------------------------------------------------------------------|---------------------------|
| Inductance | Ø1.0 mm, 50TS, 100KHz, 1.0V, 0A                                       | 70uH±8%                   |
| DC-Bias    | Ø1.0 mm, 50TS, 100KHz, 1.0V, $I_{DC(100\text{ Oe})} = 13.04\text{ A}$ | 82% Min                   |
| Core Loss  | Ø1.0mm, 50TS, 50KHz, 1000Gauss                                        | 670mW/cm <sup>3</sup> Max |
| Hi-Pot     | 1.2KVac, 0.5mA, 3 sec                                                 | PASS                      |

### DC Bias Curves

