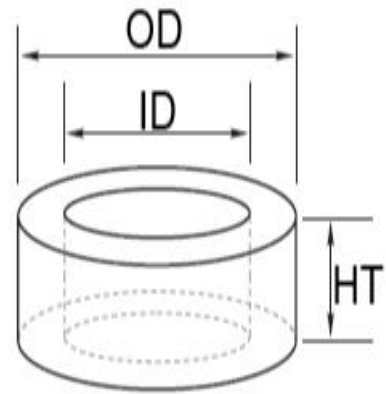


|                                                                                   |                                              |                                                                                                                                                      |
|-----------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Specification of Magnetic Powder Core</b> | <b>Mirrack</b><br><a href="http://www.mirrack.com(CN)">www.mirrack.com(CN)</a><br><a href="http://www.mirrack.com.cn(EN)">www.mirrack.com.cn(EN)</a> |
|-----------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|

| Part Number | Product Series      | Permeability (u) | A <sub>L</sub> (nH/N <sup>2</sup> ) | Coating Color | Coating Material | Coating Breakdown Voltage |
|-------------|---------------------|------------------|-------------------------------------|---------------|------------------|---------------------------|
| MKF330-075  | MKF                 | 75               | 76±8%                               | Blue          | Epoxy            | 1.2KVac / 0.5mA /3sec     |
| Description | Toroidal Si-Fe 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) |
|------------------------|----------------------------------------|--------------------------------------|--------------------------------------|---------------|---------------|
| 8.15                   | 0.672                                  | 5.48                                 | 2.93                                 | 36.5±5%       | 441           |

#### Electrical Features (@25°C±2°C)

| Test Item  | Condition                                                      | Value (Typical)           |
|------------|----------------------------------------------------------------|---------------------------|
| Inductance | Ø1.0 mm, 50TS, 100KHz, 1.0V, 0A                                | 190uH±8%                  |
| DC-Bias    | Ø1.0 mm, 50TS, 100KHz, 1.0V, I <sub>DC(100 Oe)</sub> = 13.04 A | 55%Min                    |
| Core Loss  | Ø1.0mm, 50TS, 50KHz, 1000Gauss                                 | 520mW/cm <sup>3</sup> Max |
| Hi-Pot     | 1.2KVac, 0.5mA, 3 sec                                          | PASS                      |

#### DC Bias Curves

