



Specification of Magnetic Powder Core

Mirrack
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| Part Number | Product Series | Permeability (u) | A_L (nH/N ²) | Coating Color | Coating Material | Coating Breakdown Voltage |
|-------------|-----------------------|------------------|----------------------------|---------------|------------------|---------------------------|
| MKS229-026 | MKS | 26 | 19±8% | Black | Epoxy | 800Vac / 0.5mA / 3sec |
| Description | Toroidal Sendust Core | | | | | |

Core Dimensions

| Dimensions | Before Coating | | After Coating | | Min / Max |
|------------|----------------|-------|---------------|-------|-----------|
| | inch | mm | inch | mm | |
| OD | 0.900 | 22.90 | 0.930 | 23.62 | Max |
| ID | 0.550 | 14.07 | 0.527 | 13.39 | Min |
| HT | 0.300 | 7.62 | 0.330 | 8.38 | 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) |
|---------------------|-------------------------------------|-----------------------------------|-----------------------------------|------------|---------------|
| 5.670 | 0.331 | 1.880 | 1.410 | 11.5±5% | 1600 |

Electrical Features (@25°C±2°C)

| Test Item | Condition | Value (Typical) |
|------------|---|---------------------------|
| Inductance | ∅0.5mm, 50TS, 100KHz, 1.0V, 0A | 47.5uH±8% |
| DC-Bias | ∅0.5 mm, 50TS, 100KHz, 1.0V, $I_{DC(100 Oe)} = 9.027$ A | 75% Min |
| Core Loss | ∅0.5mm, 50TS, 50KHz, 1000Gauss | 650mW/cm ³ Max |
| Hi-Pot | 800Vac, 0.5mA, 3 sec | PASS |

DC Bias Curves

