

OD039

OD 3.94mm / 0.155inch

ID 2.24mm
HT 2.54mm



Core Dimensions

| | | OD(max) | ID(min) | HT(max) |
|-------------------------------|--------|---------|---------|---------|
| Before coating | (mm) | 3.94 | 2.24 | 2.54 |
| | (inch) | 0.155 | 0.088 | 0.100 |
| After coating (Parylene-C) | (mm) | 4.14 | 2.04 | 2.74 |
| | (inch) | 0.163 | 0.080 | 0.108 |

Magnetic Dimensions

| Cross Section (A) | Path Length (l) | Window Area (Wa) | Volume (V) |
|-------------------------|--------------------|-----------------------|-------------------------|
| 0.0211cm ² | 0.942cm | 0.0308cm ² | 0.019670cm ³ |
| 0.003245in ² | 0.370inch | 6,080cmil | 0.001200in ³ |

Winding Information

| AWG Wire No. | Single Layer Dia(cm) | Turn | Rdc,Ω | AWG Wire No. | Single Layer Dia(cm) | Turn | Rdc,Ω |
|-----------------|-------------------------|------|--------|-----------------|-------------------------|------|-------|
| 27 | 0.0409 | 11 | 0.0248 | 36 | 0.0152 | 33 | 0.430 |
| 28 | 0.0366 | 12 | 0.0342 | 37 | 0.0140 | 36 | 0.579 |
| 29 | 0.0330 | 14 | 0.0458 | 38 | 0.0124 | 41 | 0.807 |
| 30 | 0.0294 | 16 | 0.0638 | 39 | 0.0109 | 47 | 1.18 |
| 31 | 0.0267 | 18 | 0.0869 | 40 | 0.0096 | 53 | 1.67 |
| 32 | 0.0241 | 20 | 0.116 | 41 | 0.00863 | 59 | 2.25 |
| 33 | 0.0216 | 23 | 0.161 | 42 | 0.00762 | 67 | 3.15 |
| 34 | 0.0191 | 26 | 0.226 | 43 | 0.00685 | 74 | 4.45 |
| 35 | 0.0170 | 29 | 0.313 | 44 | 0.00635 | 80 | 5.76 |

Single layer winding with 1 inch leads

Available Cores

| MPP | Part No. | | | AL (nH/N ²) | Perm. (μ) |
|----------|-----------|----------|------------|----------------------------|--------------|
| | High Flux | Sendust | Mega Flux® | | |
| - | - | - | - | - | 26 |
| CM039060 | CH039060 | CS039060 | CK039060 | 17 | 60 |
| - | - | CS039075 | CK039075 | 21 | 75 |
| - | - | CS039090 | CK039090 | 25 | 90 |
| CM039125 | CH039125 | CS039125 | - | 35 | 125 |
| CM039147 | - | - | - | 41 | 147 |
| CM039160 | - | - | - | 45 | 160 |
| - | - | - | - | - | 173 |
| - | - | - | - | - | 200 |

AL vs NI Curve (125μ)

