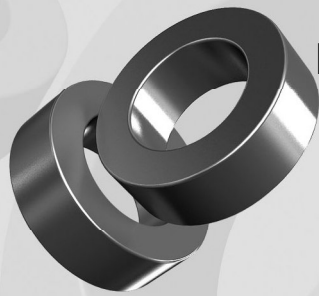


OD046

OD 4.65mm / 0.183inch



ID 2.36mm
HT 2.54mm

Core Dimensions

| | | OD(max) | ID(min) | HT(max) |
|-------------------------------|--------|---------|---------|---------|
| Before coating | (mm) | 4.65 | 2.36 | 2.54 |
| | (inch) | 0.183 | 0.093 | 0.100 |
| After coating (parylene-C) | (mm) | 4.85 | 2.16 | 2.74 |
| | (inch) | 0.191 | 0.085 | 0.108 |

Magnetic Dimensions

| Cross Section (A) | Path Length (l) | Window Area (Wa) | Volume (V) |
|------------------------|--------------------|----------------------|-------------------------|
| 0.0285cm ² | 1.060cm | 0.029cm ² | 0.0302cm ³ |
| 0.00442in ² | 0.418in | 5,780cmil | 0.001837in ³ |

Available Cores

| MPP | Part No. | | | AL (mH/N ²) | Perm. (μ) |
|----------|-----------|----------|------------|----------------------------|--------------|
| | High Flux | Sendust | Mega Flux® | | |
| - | - | - | - | - | 26 |
| CM046060 | CH046060 | CS046060 | CK046060 | 20 | 60 |
| | | CS046075 | CK046075 | 25 | 75 |
| - | - | CS046090 | CK046090 | 30 | 90 |
| CM046125 | CH046125 | CS046125 | - | 42 | 125 |
| CM046147 | - | - | - | 49 | 147 |
| CM046160 | - | - | - | 53 | 160 |
| - | - | - | - | - | 173 |
| - | - | - | - | - | 200 |

Winding Information

| AWG Wire No. | Dia(cm) | Single Layer | | AWG Wire No. | Dia(cm) | Single Layer | |
|-----------------|---------|--------------|--------|-----------------|---------|--------------|-------|
| | | Turn | Rdc,Ω | | | Turn | Rdc,Ω |
| 26 | 0.0452 | 9 | 0.0205 | 35 | 0.0170 | 28 | 0.371 |
| 27 | 0.0409 | 10 | 0.0280 | 36 | 0.0152 | 31 | 0.511 |
| 28 | 0.0366 | 12 | 0.0388 | 37 | 0.0140 | 35 | 0.691 |
| 29 | 0.0330 | 13 | 0.0524 | 38 | 0.0124 | 39 | 0.968 |
| 30 | 0.0294 | 15 | 0.0734 | 39 | 0.0109 | 45 | 1.42 |
| 31 | 0.0267 | 17 | 0.101 | 40 | 0.0096 | 51 | 2.02 |
| 32 | 0.0241 | 19 | 0.135 | 41 | 0.00863 | 57 | 2.73 |
| 33 | 0.0216 | 22 | 0.188 | 42 | 0.00762 | 64 | 3.83 |
| 34 | 0.0191 | 25 | 0.266 | 43 | 0.00685 | 71 | 5.42 |

Single layer winding with 1 inch leads

AL vs NI Curve (60μ, 125μ)

