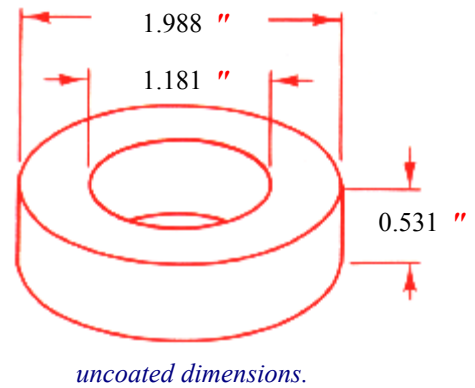


Core Data Sheet

Part Number: G1A-97

Core Dimensions:

| Uncoated (tol. +/-0.25) | After coating | |
|-------------------------|---------------|-------|
| OD (mm) 50.50 | (max) | 51.15 |
| ID (mm) 30.00 | (min) | 29.35 |
| HT (mm) 13.50 | (max) | 14.15 |



Physical Characteristics:

| | | | |
|---------------------------------|---|---------------------|--------|
| Winding area (cm ²) | 6.83 | Strength (N) typ. | 941.1 |
| Surface area (cm ²) | 109.59 | Weight (grams) typ. | 140.00 |
| Coating | Epoxy, Dark Blue, 0.2 mm approx. per surface. Voltage breakdown 500Vac. | | |
| Packing | Not available. | | |

Material:

| | | | |
|---------------------------|---|---------|----|
| Grade | 97 | | |
| Initial Permeability (μi) | 160 | tol +/- | 12 |
| Description | MPP - gas atomized 80 /20 nickel-iron alloy powder. | | |

Electrical Data:

| | |
|--|--------|
| AL norm (nH) | 195.00 |
| AL max. (nH) | 210.60 |
| AL min. (nH) | 179.40 |
| DC bias at 0.8μi (Oe) typ. | 20 |
| Power Losses (mW/cm ³) typ. 50kHz, 1000gauss | 400 |
| Total Losses (ohms/H/μi) typ. < 20gauss | 0.2 |

Magnetic Dimensions:

| | |
|-----------------------|---------|
| C1 (mm-1) | 0.9586 |
| Le (mm) | 120.9 |
| Ae (mm ²) | 126.1 |
| Ve (mm ³) | 15250.8 |

Special Comments

- 1.
- 2.
3. Four coatings per side, approx 0.5mm. Breakdown > 2KV

Note: the right to change specification data as required without notice is reserved.