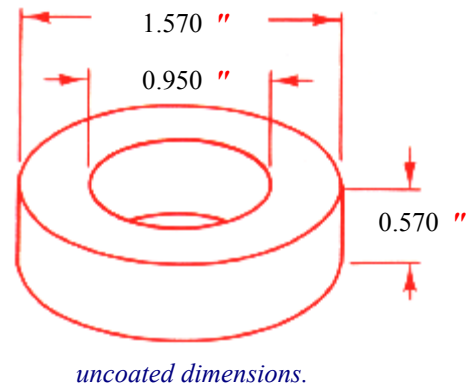


Core Data Sheet

Part Number: G48-93

Core Dimensions:

| Uncoated (tol. +/-0.25) | | After coating |
|-------------------------|-------|---------------|
| OD (mm) | 39.88 | (max) 40.53 |
| ID (mm) | 24.13 | (min) 23.48 |
| HT (mm) | 14.48 | (max) 15.13 |



Physical Characteristics:

| | | | |
|---------------------------------|---|---------------------|-------|
| Winding area (cm ²) | 4.39 | Strength (N) typ. | 784.0 |
| Surface area (cm ²) | 74.54 | Weight (grams) typ. | 82.56 |
| Coating | Epoxy, Dark Blue, 0.2 mm approx. per surface. Voltage breakdown 500Vac. | | |
| Packing | Not available. | | |

Material:

| | | | |
|---------------------------|---|---------|---|
| Grade | 93 | | |
| Initial Permeability (μi) | 60 | tol +/- | 5 |
| Description | MPP - gas atomized 80 /20 nickel-iron alloy powder. | | |

Electrical Data:

| | | |
|--|-------|--|
| AL norm (nH) | 81.00 | |
| AL max. (nH) | 87.48 | |
| AL min. (nH) | 74.52 | |
| DC bias at 0.8μi (Oe) typ. | 50 | |
| Power Losses (mW/cm ³) typ. 50kHz, 1000gauss | 500 | |
| Total Losses (ohms/H/μi) typ. < 20gauss | 1.5 | |

Magnetic Dimensions:

| | |
|-----------------------|---------|
| C1 (mm-1) | 0.9057 |
| Le (mm) | 96.4 |
| Ae (mm ²) | 106.5 |
| Ve (mm ³) | 10268.9 |

Special Comments

- 1.
- 2.
- 3.

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