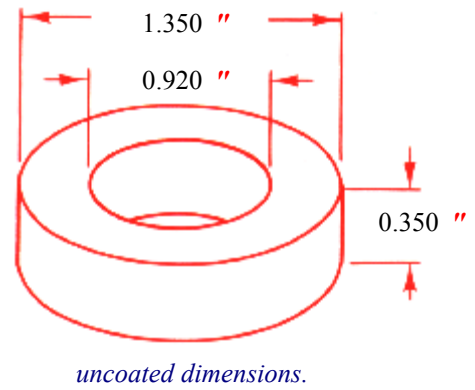


Core Data Sheet

Part Number: G55- 83

Core Dimensions:

| | | | |
|-------------------------|-------|---------------|-------|
| Uncoated (tol. +/-0.25) | | After coating | |
| OD (mm) | 34.29 | (max) | 34.94 |
| ID (mm) | 23.37 | (min) | 22.72 |
| HT (mm) | 8.89 | (max) | 9.54 |



Physical Characteristics:

| | | | |
|---------------------------------|--|---------------------|-------|
| Winding area (cm ²) | 4.11 | Strength (N) typ. | 334.1 |
| Surface area (cm ²) | 53.85 | Weight (grams) typ. | 29.90 |
| Coating | Epoxy, Light Blue, 0.2 mm approx. per surface. Voltage breakdown 500Vac. | | |
| Packing | Not available. | | |

Material:

| | | | |
|---------------------------|--|---------|---|
| Grade | 83 | | |
| Initial Permeability (μi) | 60 | tol +/- | 5 |
| Description | High Flux - gas atomized 80 /20 nickel-iron alloy powder | | |

Electrical Data:

| | | | |
|--|-------|--|--|
| AL norm (nH) | 38.00 | | |
| AL max. (nH) | 41.04 | | |
| AL min. (nH) | 34.96 | | |
| DC bias at 0.8μi (Oe) typ. | 78 | | |
| Power Losses (mW/cm ³) typ. 50kHz, 1000gauss | 645 | | |
| Total Losses (ohms/H/μi) typ. < 20gauss | 0.0 | | |

Magnetic Dimensions:

| | |
|-----------------------|--------|
| C1 (mm-1) | 1.9287 |
| Le (mm) | 88.4 |
| Ae (mm ²) | 45.8 |
| Ve (mm ³) | 4050.9 |

Special Comments

- 1.
- 2.
- 3.

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