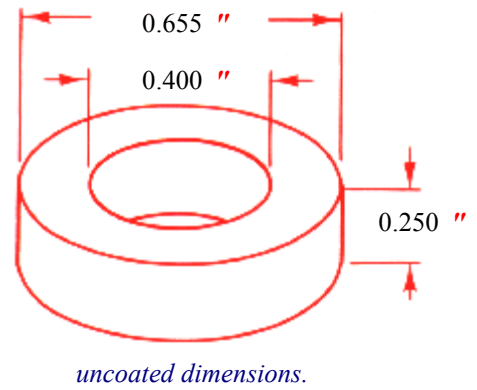


Core Data Sheet

Part Number: G62 - 83

Core Dimensions:

| | | | |
|-------------------------|-------|---------------|-------|
| Uncoated (tol. +/-0.25) | | After coating | |
| OD (mm) | 16.64 | (max) | 17.29 |
| ID (mm) | 10.16 | (min) | 9.51 |
| HT (mm) | 6.35 | (max) | 7.00 |



Physical Characteristics:

| | | | |
|---------------------------------|--|---------------------|-------|
| Winding area (cm ²) | 0.73 | Strength (N) typ. | 148.5 |
| Surface area (cm ²) | 13.22 | Weight (grams) typ. | 5.89 |
| 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) | 35.00 | | |
| AL max. (nH) | 37.80 | | |
| AL min. (nH) | 32.20 | | |
| 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) | 2.0791 |
| Le (mm) | 40.4 |
| Ae (mm ²) | 19.4 |
| Ve (mm ³) | 786.5 |

Special Comments

- 1.
- 2.
- 3.

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

