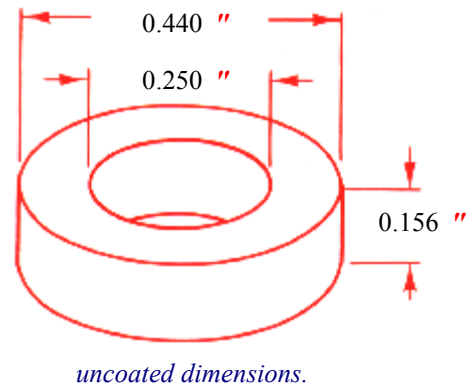


# Core Data Sheet

**Part Number: G65-98**

**Core Dimensions:**

| Uncoated (tol. +/-0.25) | After coating |       |
|-------------------------|---------------|-------|
| OD (mm) 11.18           | (max)         | 11.83 |
| ID (mm) 6.35            | (min)         | 5.70  |
| HT (mm) 3.96            | (max)         | 4.61  |



**Physical Characteristics:**

|                                 |  |                     |      |
|---------------------------------|--|---------------------|------|
| Winding area (cm <sup>2</sup> ) | 0.27   | Strength (N) typ.   | 68.6 |
| Surface area (cm <sup>2</sup> ) | 5.65   | Weight (grams) typ. | 2.13 |
| Coating                         | Epoxy, 0.2 mm approx. per surface. Voltage breakdown 500Vac. |                     |      |
| Packing                         | Not available.   |                     |      |

**Material:**

|                           |   |         |    |
|---------------------------|---|---------|----|
| Grade                     | 98  |         |    |
| Initial Permeability (μi) | 173   | tol +/- | 12 |
| Description               | MPP - gas atomized 80 /20 nickel-iron alloy powder. |         |    |

**Electrical Data:**

|  |       |
|--|-------|
| AL norm (nH)   | 74.00 |
| AL max. (nH)   | 79.92 |
| AL min. (nH)   | 68.08 |
| DC bias at 0.8μi (Oe) typ.                               | 18    |
| Power Losses (mW/cm <sup>3</sup> ) typ. 50kHz, 1000gauss | 400   |
| Total Losses (ohms/H/μi) typ. < 20gauss                  | 0.2   |

**Magnetic Dimensions:**

|                       |        |
|-----------------------|--------|
| C1 (mm-1)             | 2.9555 |
| Le (mm)               | 26.1   |
| Ae (mm <sup>2</sup> ) | 8.8    |
| Ve (mm <sup>3</sup> ) | 230.8  |

**Special Comments**

- 1.
2. AL band is +/- 12% for DuraFlux
- 3.

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