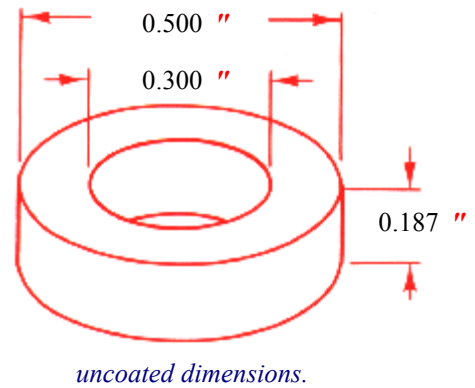


# Core Data Sheet

**Part Number: G60-98**

**Core Dimensions:**

| Uncoated (tol. +/-0.25) | After coating |       |
|-------------------------|---------------|-------|
| OD (mm) 12.70           | (max)         | 13.35 |
| ID (mm) 7.62            | (min)         | 6.97  |
| HT (mm) 4.75            | (max)         | 5.40  |



**Physical Characteristics:**

|                                 |   |                     |      |
|---------------------------------|---|---------------------|------|
| Winding area (cm <sup>2</sup> ) | 0.40  | Strength (N) typ.   | 87.0 |
| Surface area (cm <sup>2</sup> ) | 7.59  | Weight (grams) typ. | 3.12 |
| Coating                         | Epoxy, Dark Blue, 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)   | 79.00 |  |  |
| AL max. (nH)   | 85.32 |  |  |
| AL min. (nH)   | 72.68 |  |  |
| 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)             | 2.6940 |
| Le (mm)               | 30.6   |
| Ae (mm <sup>2</sup> ) | 11.3   |
| Ve (mm <sup>3</sup> ) | 346.9  |

**Special Comments**

- 1.
- 2.
- 3.

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