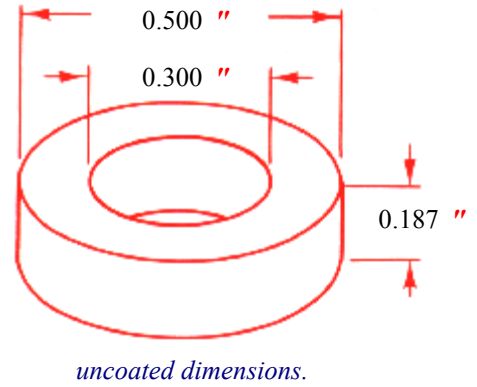


# Core Data Sheet

**Part Number: G60-83**

**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  |



|  |  |                             |        |
|--|--|-----------------------------|--------|
| <b>Physical Characteristics:</b>                         |  |                             |        |
| Winding area (cm <sup>2</sup> )                          | 0.40   | Strength (N) typ.           | 87.0   |
| Surface area (cm <sup>2</sup> )                          | 7.59   | Weight (grams) typ.         | 2.62   |
| Coating  | Epoxy, Light Blue, 0.2 mm approx. per surface. Voltage breakdown 500Vac. |                             |        |
| Packing  | Not available.   |                             |        |
| <b>Material:</b>   |  |                             |        |
| Grade  | 83   |                             |        |
| Initial Permeability (μi)                                | 60   | tol +/-                     | 5      |
| Description  | High Flux - gas atomized 80 /20 nickel-iron alloy powder                 |                             |        |
| <b>Electrical Data:</b>                                  |  | <b>Magnetic Dimensions:</b> |        |
| AL norm (nH)   | 27.00  | C1 (mm-1)                   | 2.6940 |
| AL max. (nH)   | 29.16  | Le (mm)                     | 30.6   |
| AL min. (nH)   | 24.84  | Ae (mm <sup>2</sup> )       | 11.3   |
| DC bias at 0.8μi (Oe) typ.                               | 78   | Ve (mm <sup>3</sup> )       | 346.9  |
| Power Losses (mW/cm <sup>3</sup> ) typ. 50kHz, 1000gauss | 645  |                             |        |
| Total Losses (ohms/H/μi) typ. < 20gauss                  | 0.0  |                             |        |
| <b>Special Comments</b>                                  |  |                             |        |
| 1.   |  |                             |        |
| 2.   |  |                             |        |
| 3.   |  |                             |        |

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