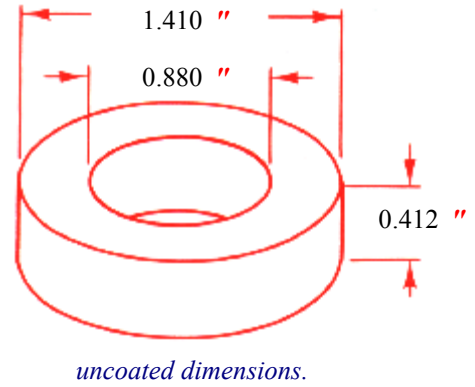


# Core Data Sheet

**Part Number:** G49-87

**Core Dimensions:**

Uncoated (tol. +/-0.25)	After coating	
OD (mm) 35.81	(max)	36.46
ID (mm) 22.35	(min)	21.70
HT (mm) 10.46	(max)	11.11



**Physical Characteristics:**

Winding area (cm <sup>2</sup> )	3.75	Strength (N) typ.	484.3
Surface area (cm <sup>2</sup> )	57.64	Weight (grams) typ.	48.88
Coating	Epoxy, Light Blue, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		

**Material:**

Grade	87		
Initial Permeability (μi)	160	tol +/-	13
Description	High Flux - gas atomized 80 /20 nickel-iron alloy powder		

**Electrical Data:**

AL norm (nH)	150.00
AL max. (nH)	162.00
AL min. (nH)	138.00
DC bias at 0.8μi (Oe) typ.	20
Power Losses (mW/cm <sup>3</sup> ) typ. 50kHz, 1000gauss	600
Total Losses (ohms/H/μi) typ. < 20gauss	0.0

**Magnetic Dimensions:**

C1 (mm-1)	1.3527
Le (mm)	88.1
Ae (mm <sup>2</sup> )	65.1
Ve (mm <sup>3</sup> )	5732.7

**Special Comments**

- 1.
- 2.
- 3.

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