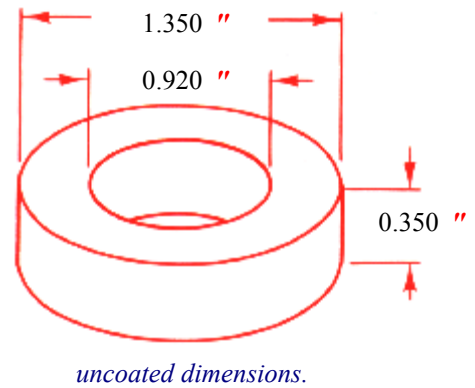


# Core Data Sheet

**Part Number:** G55-87

**Core Dimensions:**

Uncoated (tol. +/-0.25)	After coating	
OD (mm) 34.29	(max)	34.94
ID (mm) 23.37	(min)	22.72
HT (mm) 8.89	(max)	9.54



**Physical Characteristics:**

Winding area (cm <sup>2</sup> )	4.11	Strength (N) typ.	334.1
Surface area (cm <sup>2</sup> )	53.85	Weight (grams) typ.	33.42
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)	101.00		
AL max. (nH)	109.08		
AL min. (nH)	92.92		
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)	1.9287
Le (mm)	88.4
Ae (mm <sup>2</sup> )	45.8
Ve (mm <sup>3</sup> )	4050.9

**Special Comments**

- 1.
- 2.
- 3.

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