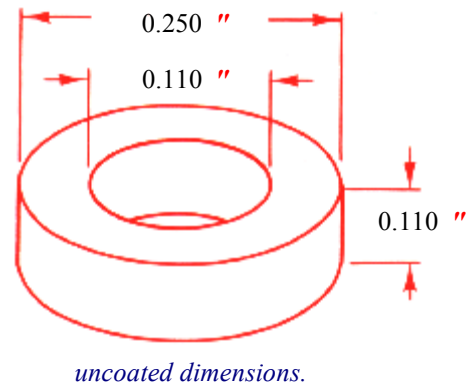


# Core Data Sheet

**Part Number:** G22 - 87

**Core Dimensions:**

Uncoated (tol. +/-0.25)	After coating	
OD (mm) 6.35	(max)	7.00
ID (mm) 2.79	(min)	2.14
HT (mm) 2.79	(max)	3.44



**Physical Characteristics:**

Winding area (cm <sup>2</sup> )	0.04	Strength (N) typ.	40.0
Surface area (cm <sup>2</sup> )	1.76	Weight (grams) typ.	0.54
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)	64.00
AL max. (nH)	70.40
AL min. (nH)	57.60
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)	2.8789
Le (mm)	12.9
Ae (mm <sup>2</sup> )	4.5
Ve (mm <sup>3</sup> )	57.4

**Special Comments**

2. AL band is +/- 10% for MPP & High Flux
3. AL band is +/- 12% for DuraFlux

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