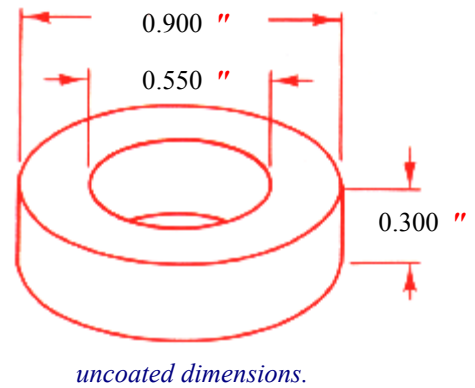


# Core Data Sheet

**Part Number: G58- 86**

**Core Dimensions:**

Uncoated (tol. +/-0.25)	After coating	
OD (mm) 22.86	(max)	23.51
ID (mm) 13.97	(min)	13.32
HT (mm) 7.62	(max)	8.27



**Physical Characteristics:**

Winding area (cm <sup>2</sup> )	1.43	Strength (N) typ.	244.6
Surface area (cm <sup>2</sup> )	24.04	Weight (grams) typ.	14.70
Coating	Epoxy, Light Blue, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		

**Material:**

Grade	86		
Initial Permeability (μi)	147	tol +/-	12
Description	High Flux - gas atomized 80 /20 nickel-iron alloy powder		

**Electrical Data:**

AL norm (nH)	106.00	
AL max. (nH)	114.48	
AL min. (nH)	97.52	
DC bias at 0.8μi (Oe) typ.	24	
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)	1.7525
Le (mm)	55.6
Ae (mm <sup>2</sup> )	31.7
Ve (mm <sup>3</sup> )	1762.6

**Special Comments**

- 1.
- 2.
- 3.

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