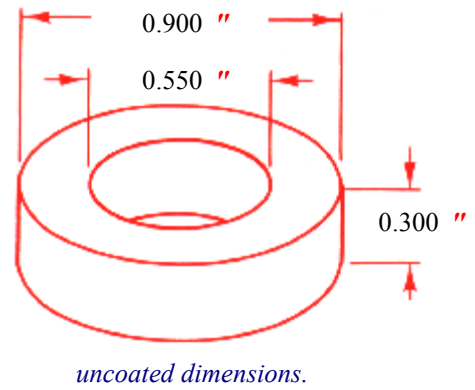


# Core Data Sheet

**Part Number: G58-93**

**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.	14.11
Coating	Epoxy, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		

**Material:**

Grade	93		
Initial Permeability (μi)	60	tol +/-	5
Description	MPP - gas atomized 80 /20 nickel-iron alloy powder.		

**Electrical Data:**

AL norm (nH)	43.00		
AL max. (nH)	46.44		
AL min. (nH)	39.56		
DC bias at 0.8μi (Oe) typ.	50		
Power Losses (mW/cm <sup>3</sup> ) typ. 50kHz, 1000gauss		500	
Total Losses (ohms/H/μi) typ. < 20gauss		1.5	

**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.*

