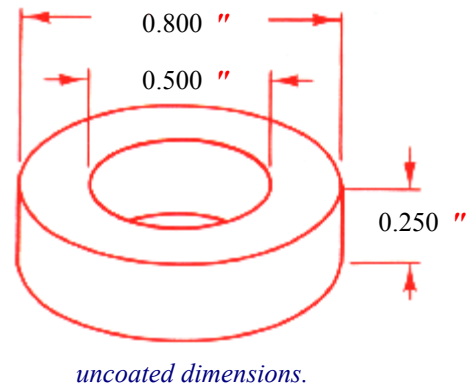


# Core Data Sheet

**Part Number:** G29-97

**Core Dimensions:**

Uncoated (tol. +/-0.25)	After coating	
OD (mm) 20.32	(max)	20.97
ID (mm) 12.70	(min)	12.05
HT (mm) 6.35	(max)	7.00



**Physical Characteristics:**

Winding area (cm <sup>2</sup> )	1.17	Strength (N) typ.	175.0
Surface area (cm <sup>2</sup> )	18.88	Weight (grams) typ.	10.04
Coating	Epoxy, Dark Blue, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		

**Material:**

Grade	97		
Initial Permeability (μi)	160	tol +/-	12
Description	MPP - gas atomized 80 /20 nickel-iron alloy powder.		

**Electrical Data:**

AL norm (nH)	87.00
AL max. (nH)	93.96
AL min. (nH)	80.04
DC bias at 0.8μi (Oe) typ.	20
Power Losses (mW/cm <sup>3</sup> ) typ. 50kHz, 1000gauss	400
Total Losses (ohms/H/μi) typ. < 20gauss	0.2

**Magnetic Dimensions:**

C1 (mm-1)	2.2146
Le (mm)	50.0
Ae (mm <sup>2</sup> )	22.6
Ve (mm <sup>3</sup> )	1129.1

**Special Comments**

- 1.
- 2.
- 3.

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