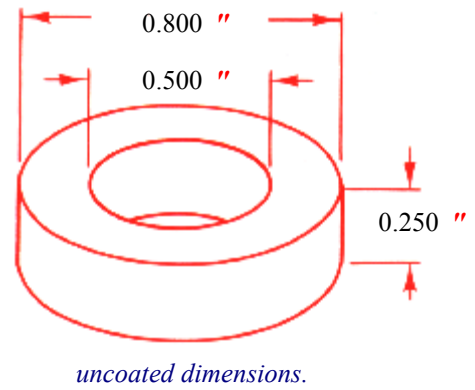


# Core Data Sheet

**Part Number:** G29-85

**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.	9.29
Coating	Epoxy, Light Blue, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		

**Material:**

Grade	85		
Initial Permeability (μi)	125	tol +/-	10
Description	High Flux - gas atomized 80 /20 nickel-iron alloy powder		

**Electrical Data:**

AL norm (nH)	68.00
AL max. (nH)	73.44
AL min. (nH)	62.56
DC bias at 0.8μi (Oe) typ.	35
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)	2.2146
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.*