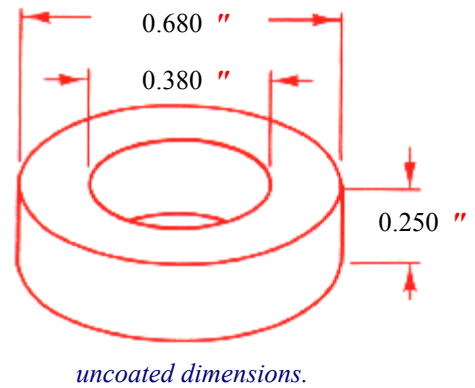


# Core Data Sheet

**Part Number:** G23 - 83

**Core Dimensions:**

Uncoated (tol. +/-0.25)	After coating	
OD (mm)	17.27	(max) 17.92
ID (mm)	9.65	(min) 9.00
HT (mm)	6.35	(max) 7.00



**Physical Characteristics:**

Winding area (cm <sup>2</sup> )	0.66	Strength (N) typ.	173.3
Surface area (cm <sup>2</sup> )	13.53	Weight (grams) typ.	6.96
Coating	Epoxy, Light Blue, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		

**Material:**

Grade	83		
Initial Permeability (μi)	60	tol +/-	5
Description	High Flux - 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.	78
Power Losses (mW/cm <sup>3</sup> ) typ. 50kHz, 1000gauss	645
Total Losses (ohms/H/μi) typ. < 20gauss	0.0

**Magnetic Dimensions:**

C1 (mm-1)	1.7884
Le (mm)	40.0
Ae (mm <sup>2</sup> )	22.4
Ve (mm <sup>3</sup> )	894.2

**Special Comments**

- 1.
- 2.
- 3.

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