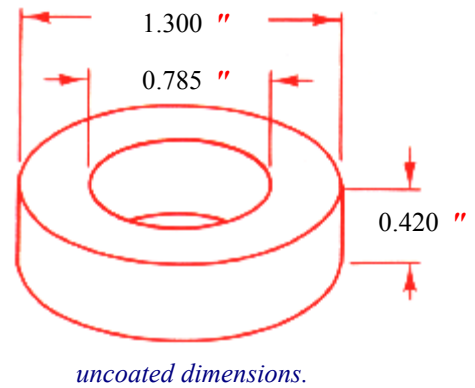


# Core Data Sheet

**Part Number: G56A-83**

**Core Dimensions:**

Uncoated (tol. +/-0.25)		After coating	
OD (mm)	33.02	(max)	33.67
ID (mm)	19.94	(min)	19.29
HT (mm)	10.67	(max)	11.32



**Physical Characteristics:**

Winding area (cm <sup>2</sup> )	2.97	Strength (N) typ.	472.0
Surface area (cm <sup>2</sup> )	49.46	Weight (grams) typ.	39.48
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)	61.00		
AL max. (nH)	65.88		
AL min. (nH)	56.12		
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)	1.2335
Le (mm)	79.8
Ae (mm <sup>2</sup> )	64.7
Ve (mm <sup>3</sup> )	5157.8

**Special Comments**

- 1.
- 2.
- 3.

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