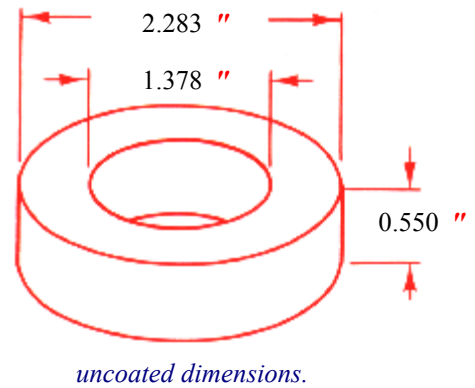


# Core Data Sheet

**Part Number: G2B- 83**

**Core Dimensions:**

Uncoated (tol. +/-0.25)	After coating	
OD (mm) 58.00	(max)	58.65
ID (mm) 35.00	(min)	34.35
HT (mm) 13.97	(max)	14.62



**Physical Characteristics:**

Winding area (cm <sup>2</sup> )	9.35	Strength (N) typ.	1059.7
Surface area (cm <sup>2</sup> )	142.41	Weight (grams) typ.	159.61
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)	75.00
AL max. (nH)	81.00
AL min. (nH)	69.00
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)	0.9556
Le (mm)	140.1
Ae (mm <sup>2</sup> )	146.6
Ve (mm <sup>3</sup> )	20525.5

**Special Comments**

- 1.
- 2.
3. Four coatings per side, approx 0.5mm. Breakdown > 2KV

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