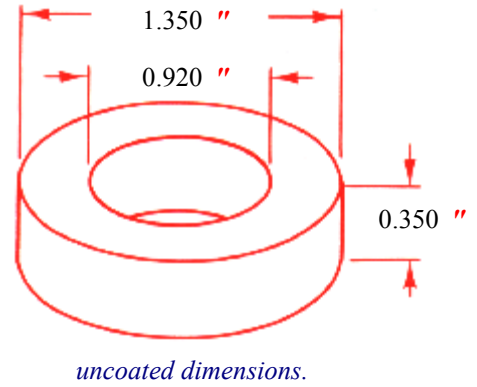


Core Data Sheet

Part Number: G55- 83

Core Dimensions:

Uncoated (tol. +/-0.25)		After coating	
OD (mm)	34.29	(max)	34.94
ID (mm)	23.37	(min)	22.72
HT (mm)	8.89	(max)	9.54



Physical Characteristics:

Winding area (cm ²)	4.11	Strength (N) typ.	334.1
Surface area (cm ²)	53.85	Weight (grams) typ.	29.90
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)	38.00		
AL max. (nH)	41.04		
AL min. (nH)	34.96		
DC bias at 0.8μi (Oe) typ.	78		
Power Losses (mW/cm ³) typ. 50kHz, 1000gauss	645		
Total Losses (ohms/H/μi) typ. < 20gauss	0.0		

Magnetic Dimensions:

C1 (mm-1)	1.9287
Le (mm)	88.4
Ae (mm ²)	45.8
Ve (mm ³)	4050.9

Special Comments

- 1.
- 2.
- 3.

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

