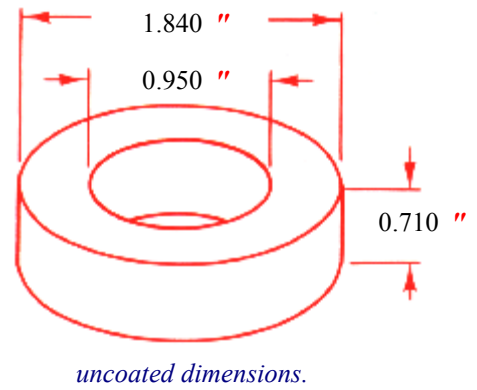


Core Data Sheet

Part Number: G47-83

Core Dimensions:

Uncoated (tol. +/-0.25)	After coating	
OD (mm) 46.74	(max)	47.39
ID (mm) 24.13	(min)	23.48
HT (mm) 18.03	(max)	18.68



Physical Characteristics:

Winding area (cm ²)	4.39	Strength (N) typ.	1410.1
Surface area (cm ²)	97.24	Weight (grams) typ.	154.32
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)	135.00	
AL max. (nH)	145.80	
AL min. (nH)	124.20	
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)	0.5621
Le (mm)	103.6
Ae (mm ²)	184.3
Ve (mm ³)	19097.3

Special Comments

- 1.
- 2.
- 3.

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