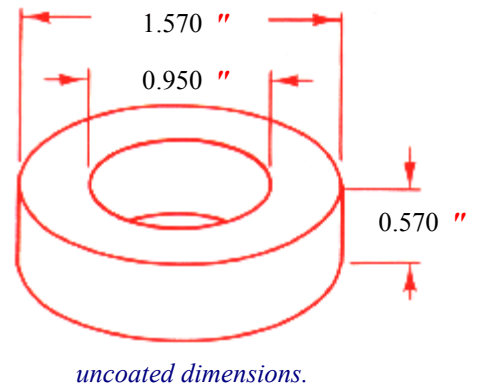


Core Data Sheet

Part Number: G48- 83

Core Dimensions:

Uncoated (tol. +/-0.25)		After coating	
OD (mm)	39.88	(max)	40.53
ID (mm)	24.13	(min)	23.48
HT (mm)	14.48	(max)	15.13



Physical Characteristics:

Winding area (cm ²)	4.39	Strength (N) typ.	784.0
Surface area (cm ²)	74.54	Weight (grams) typ.	77.97
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)	81.00		
AL max. (nH)	87.48		
AL min. (nH)	74.52		
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)	0.9057
Le (mm)	96.4
Ae (mm ²)	106.5
Ve (mm ³)	10268.9

Special Comments

- 1.
- 2.
- 3.

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

