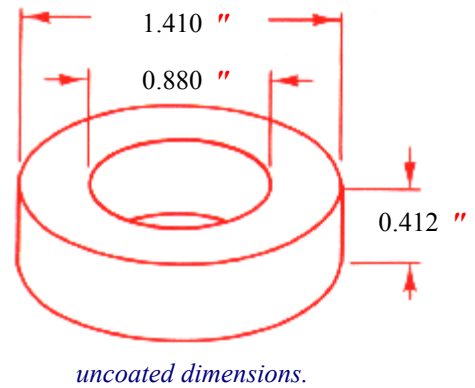


Core Data Sheet

Part Number: G49-83

Core Dimensions:

Uncoated (tol. +/-0.25)	After coating	
OD (mm) 35.81	(max)	36.46
ID (mm) 22.35	(min)	21.70
HT (mm) 10.46	(max)	11.11



Physical Characteristics:

Winding area (cm ²)	3.75	Strength (N) typ.	484.3
Surface area (cm ²)	57.64	Weight (grams) typ.	43.74
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)	56.00
AL max. (nH)	60.48
AL min. (nH)	51.52
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)	1.3527
Le (mm)	88.1
Ae (mm ²)	65.1
Ve (mm ³)	5732.7

Special Comments

- 1.
- 2.
- 3.

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