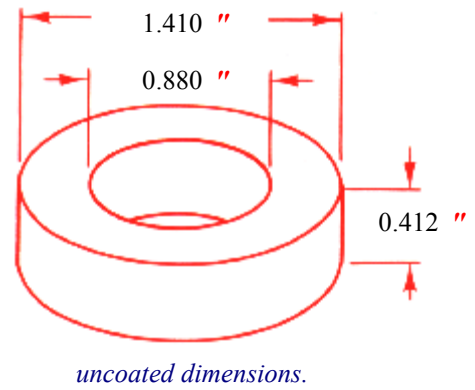


Core Data Sheet

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:		Magnetic Dimensions:	
AL norm (nH)	56.00	C1 (mm-1)	1.3527
AL max. (nH)	60.48	Le (mm)	88.1
AL min. (nH)	51.52	Ae (mm ²)	65.1
DC bias at 0.8μi (Oe) typ.	78	Ve (mm ³)	5732.7
Power Losses (mW/cm ³) typ. 50kHz, 1000gauss	645		
Total Losses (ohms/H/μi) typ. < 20gauss	0.0		
Special Comments			
1.			
2.			
3.			

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

