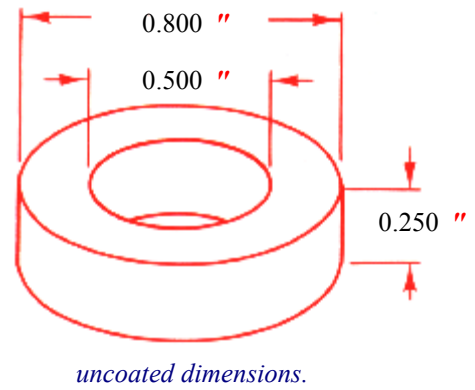


Core Data Sheet

Part Number: G29-83

Core Dimensions:

Uncoated (tol. +/-0.25)		After coating	
OD (mm)	20.32	(max)	20.97
ID (mm)	12.70	(min)	12.05
HT (mm)	6.35	(max)	7.00



Physical Characteristics:

Winding area (cm ²)	1.17	Strength (N) typ.	175.0
Surface area (cm ²)	18.88	Weight (grams) typ.	8.53
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)	32.00		
AL max. (nH)	34.56		
AL min. (nH)	29.44		
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)	2.2146
Le (mm)	50.0
Ae (mm ²)	22.6
Ve (mm ³)	1129.1

Special Comments

- 1.
- 2.
- 3.

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

