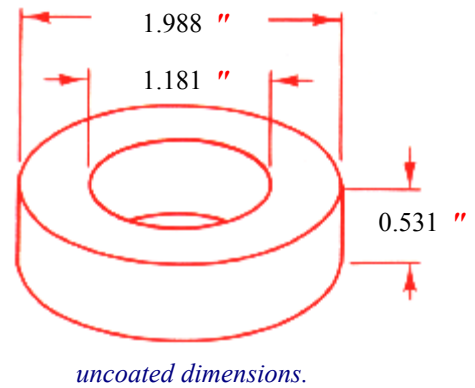


Core Data Sheet

Part Number: G1A- 83

Core Dimensions:

Uncoated (tol. +/-0.25)	After coating	
OD (mm) 50.50	(max)	51.15
ID (mm) 30.00	(min)	29.35
HT (mm) 13.50	(max)	14.15



Physical Characteristics:

Winding area (cm ²)	6.83	Strength (N) typ.	941.1
Surface area (cm ²)	109.59	Weight (grams) typ.	119.00
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)	73.00
AL max. (nH)	78.84
AL min. (nH)	67.16
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)	0.9586
Le (mm)	120.9
Ae (mm ²)	126.1
Ve (mm ³)	15250.8

Special Comments

- 1.
- 2.
3. Four coatings per side, approx 0.5mm. Breakdown > 2KV

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