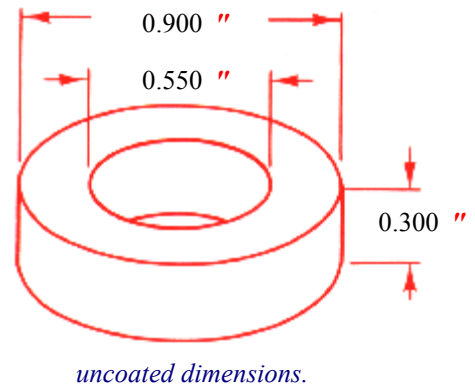


Core Data Sheet

Part Number: G58-83

Core Dimensions:

Uncoated (tol. +/-0.25)	After coating	
OD (mm) 22.86	(max)	23.51
ID (mm) 13.97	(min)	13.32
HT (mm) 7.62	(max)	8.27



Physical Characteristics:

Winding area (cm ²)	1.43	Strength (N) typ.	244.6
Surface area (cm ²)	24.04	Weight (grams) typ.	13.33
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)	43.00
AL max. (nH)	46.44
AL min. (nH)	39.56
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)	1.7525
Le (mm)	55.6
Ae (mm ²)	31.7
Ve (mm ³)	1762.6

Special Comments

- 1.
- 2.
- 3.

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