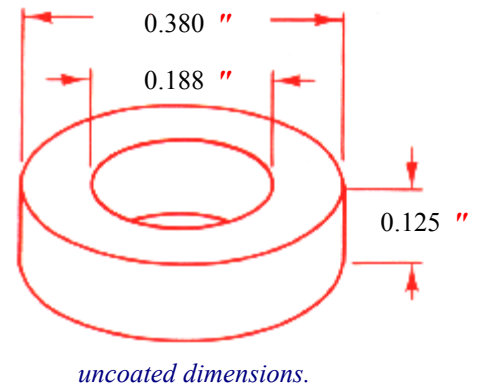


Core Data Sheet

Part Number: G51 - 83

Core Dimensions:

Uncoated (tol. +/-0.25)	After coating	
OD (mm)	9.65 (max)	10.30
ID (mm)	4.78 (min)	4.13
HT (mm)	3.18 (max)	3.83



Physical Characteristics:

Winding area (cm ²)	0.14	Strength (N) typ.	54.8
Surface area (cm ²)	3.89	Weight (grams) typ.	1.19
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)	25.00
AL max. (nH)	27.00
AL min. (nH)	23.00
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)	3.0066
Le (mm)	20.9
Ae (mm ²)	7.0
Ve (mm ³)	145.3

Special Comments

- 1.
2. AL band is +/- 12% for DuraFlux
- 3.

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