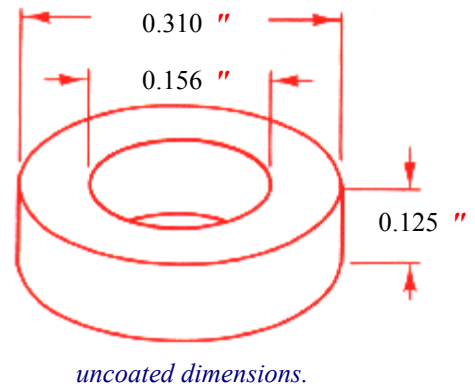


Core Data Sheet

Part Number: G63 - 85

Core Dimensions:

Uncoated (tol. +/-0.25)		After coating	
OD (mm)	7.87	(max)	8.52
ID (mm)	3.96	(min)	3.31
HT (mm)	3.18	(max)	3.83



Physical Characteristics:

Winding area (cm ²)	0.09	Strength (N) typ.	44.0
Surface area (cm ²)	2.77	Weight (grams) typ.	0.86
Coating	Epoxy, Light Blue, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		

Material:

Grade	85		
Initial Permeability (μi)	125	tol +/-	10
Description	High Flux - gas atomized 80 /20 nickel-iron alloy powder		

Electrical Data:

AL norm (nH)	52.00		
AL max. (nH)	56.16		
AL min. (nH)	47.84		
DC bias at 0.8μi (Oe) typ.	35		
Power Losses (mW/cm ³) typ. 50kHz, 1000gauss	600		
Total Losses (ohms/H/μi) typ. < 20gauss	0.0		

Magnetic Dimensions:

C1 (mm-1)	2.9999
Le (mm)	17.2
Ae (mm ²)	5.7
Ve (mm ³)	98.6

Special Comments

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

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

