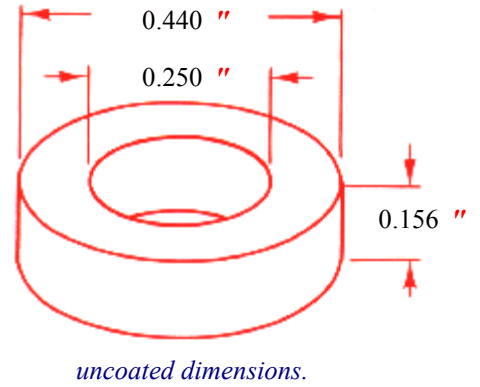


# Core Data Sheet

**Part Number: G65- 86**

**Core Dimensions:**

Uncoated (tol. +/-0.25)	After coating	
OD (mm)	11.18	(max) 11.83
ID (mm)	6.35	(min) 5.70
HT (mm)	3.96	(max) 4.61



**Physical Characteristics:**

Winding area (cm <sup>2</sup> )	0.27	Strength (N) typ.	68.6
Surface area (cm <sup>2</sup> )	5.65	Weight (grams) typ.	1.98
Coating	Epoxy, Light Blue, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		

**Material:**

Grade	86		
Initial Permeability (μi)	147	tol +/-	12
Description	High Flux - gas atomized 80 /20 nickel-iron alloy powder		

**Electrical Data:**

AL norm (nH)	63.00
AL max. (nH)	68.04
AL min. (nH)	57.96
DC bias at 0.8μi (Oe) typ.	24
Power Losses (mW/cm <sup>3</sup> ) typ. 50kHz, 1000gauss	600
Total Losses (ohms/H/μi) typ. < 20gauss	0.0

**Magnetic Dimensions:**

C1 (mm-1)	2.9555
Le (mm)	26.1
Ae (mm <sup>2</sup> )	8.8
Ve (mm <sup>3</sup> )	230.8

**Special Comments**

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

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