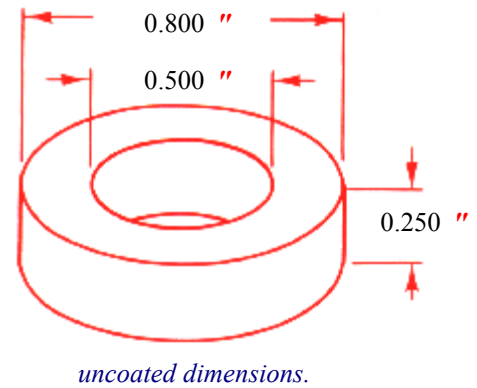


# Core Data Sheet

**Part Number:** G29 - 87

## Core Dimensions:

Uncoated (tol. +/-0.25)		After coating
OD (mm)	20.32 (max)	20.97
ID (mm)	12.70 (min)	12.05
HT (mm)	6.35 (max)	7.00



## Physical Characteristics:

Winding area (cm <sup>2</sup> )	1.17	Strength (N) typ.	175.0
Surface area (cm <sup>2</sup> )	18.88	Weight (grams) typ.	9.54
Coating	Epoxy, Light Blue, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		

## Material:

Grade	87
Initial Permeability (μi)	160 tol +/- 13
Description	High Flux - gas atomized 80 /20 nickel-iron alloy powder

## Electrical Data:

AL norm (nH)	87.00
AL max. (nH)	93.96
AL min. (nH)	80.04
DC bias at 0.8μi (Oe) typ.	20
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)	2.2146
Le (mm)	50.0
Ae (mm <sup>2</sup> )	22.6
Ve (mm <sup>3</sup> )	1129.1

## Special Comments

- 1.
- 2.
- 3.

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