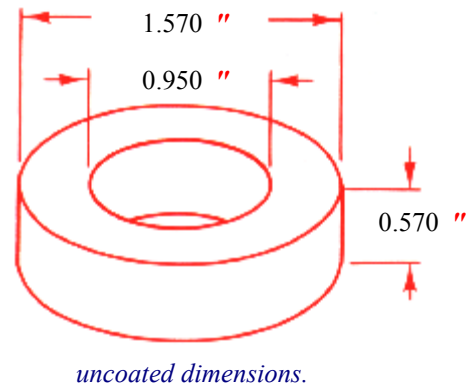


# Core Data Sheet

**Part Number: G48-95**

**Core Dimensions:**

Uncoated (tol. +/-0.25)		After coating
OD (mm)	39.88	(max) 40.53
ID (mm)	24.13	(min) 23.48
HT (mm)	14.48	(max) 15.13



**Physical Characteristics:**

Winding area (cm <sup>2</sup> )	4.39	Strength (N) typ.	784.0
Surface area (cm <sup>2</sup> )	74.54	Weight (grams) typ.	89.44
Coating	Epoxy, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		

**Material:**

Grade	95		
Initial Permeability (μi)	125	tol +/-	10
Description	MPP - gas atomized 80 /20 nickel-iron alloy powder.		

**Electrical Data:**

AL norm (nH)	168.00	
AL max. (nH)	181.44	
AL min. (nH)	154.56	
DC bias at 0.8μi (Oe) typ.	25	
Power Losses (mW/cm <sup>3</sup> ) typ. 50kHz, 1000gauss	400	
Total Losses (ohms/H/μi) typ. < 20gauss	0.2	

**Magnetic Dimensions:**

C1 (mm-1)	0.9057
Le (mm)	96.4
Ae (mm <sup>2</sup> )	106.5
Ve (mm <sup>3</sup> )	10268.9

**Special Comments**

- 1.
- 2.
- 3.

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

