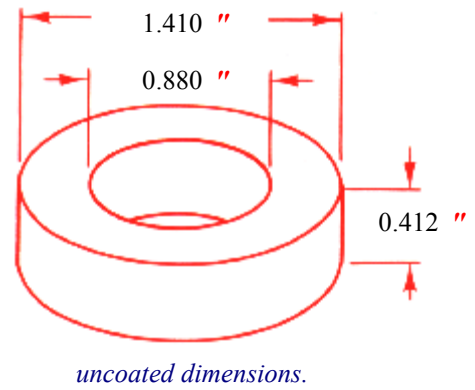


# Core Data Sheet

**Part Number: G49-98**

**Core Dimensions:**

Uncoated (tol. +/-0.25)		After coating	
OD (mm)	35.81	(max)	36.46
ID (mm)	22.35	(min)	21.70
HT (mm)	10.46	(max)	11.11



<b>Physical Characteristics:</b>			
Winding area (cm <sup>2</sup> )	3.75	Strength (N) typ.	484.3
Surface area (cm <sup>2</sup> )	57.64	Weight (grams) typ.	52.10
Coating	Epoxy, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		
<b>Material:</b>			
Grade	98		
Initial Permeability (μi)	173	tol +/-	12
Description	MPP - gas atomized 80 /20 nickel-iron alloy powder.		
<b>Electrical Data:</b>		<b>Magnetic Dimensions:</b>	
AL norm (nH)	162.00	C1 (mm-1)	1.3527
AL max. (nH)	174.96	Le (mm)	88.1
AL min. (nH)	149.04	Ae (mm <sup>2</sup> )	65.1
DC bias at 0.8μi (Oe) typ.	18	Ve (mm <sup>3</sup> )	5732.7
Power Losses (mW/cm <sup>3</sup> ) typ. 50kHz, 1000gauss	400		
Total Losses (ohms/H/μi) typ. < 20gauss	0.2		
<b>Special Comments</b>			
1.			
2.			
3.			

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

