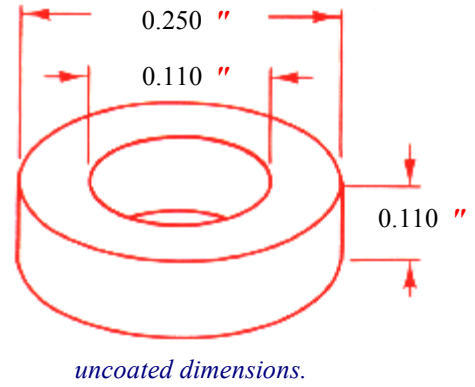


# Core Data Sheet

**Part Number: G22 - 98**

**Core Dimensions:**

Uncoated (tol. +/-0.25)	After coating	
OD (mm) 6.35	(max)	7.00
ID (mm) 2.79	(min)	2.14
HT (mm) 2.79	(max)	3.44



<b>Physical Characteristics:</b>			
Winding area (cm <sup>2</sup> )	0.04	Strength (N) typ.	40.0
Surface area (cm <sup>2</sup> )	1.76	Weight (grams) typ.	0.58
Coating	Epoxy, Dark Blue, 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)	69.00	C1 (mm-1)	2.8789
AL max. (nH)	75.90	Le (mm)	12.9
AL min. (nH)	62.10	Ae (mm <sup>2</sup> )	4.5
DC bias at 0.8μi (Oe) typ.	18	Ve (mm <sup>3</sup> )	57.4
Power Losses (mW/cm <sup>3</sup> ) typ. 50kHz, 1000gauss			400
Total Losses (ohms/H/μi) typ. < 20gauss			0.2
<b>Special Comments</b>			
2. AL band is +/- 10% for MPP & High Flux			
3. AL band is +/- 12% for DuraFlux			

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