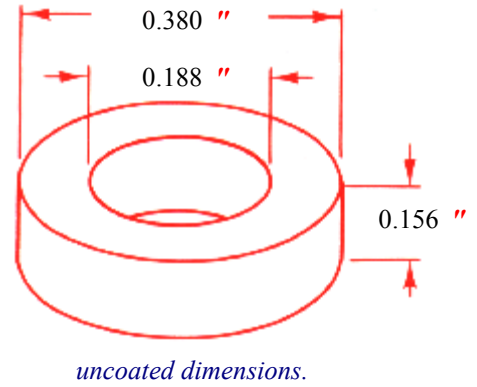


# Core Data Sheet

**Part Number: G51A-93**

**Core Dimensions:**

Uncoated (tol. +/-0.25)		After coating	
OD (mm)	9.65	(max)	10.30
ID (mm)	4.78	(min)	4.13
HT (mm)	3.96	(max)	4.61



<b>Physical Characteristics:</b>			
Winding area (cm <sup>2</sup> )	0.14	Strength (N) typ.	68.2
Surface area (cm <sup>2</sup> )	4.16	Weight (grams) typ.	1.57
Coating	Epoxy, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		
<b>Material:</b>			
Grade	93		
Initial Permeability (μi)	60	tol +/-	5
Description	MPP - gas atomized 80 /20 nickel-iron alloy powder.		
<b>Electrical Data:</b>		<b>Magnetic Dimensions:</b>	
AL norm (nH)	32.00	C1 (mm-1)	2.3820
AL max. (nH)	34.56	Le (mm)	20.9
AL min. (nH)	29.44	Ae (mm <sup>2</sup> )	8.8
DC bias at 0.8μi (Oe) typ.	50	Ve (mm <sup>3</sup> )	183.5
Power Losses (mW/cm <sup>3</sup> ) typ. 50kHz, 1000gauss	500		
Total Losses (ohms/H/μi) typ. < 20gauss	1.5		
<b>Special Comments</b>			
<ol style="list-style-type: none"> <li>1.</li> <li>2. AL band is +/- 12% for DuraFlux</li> <li>3.</li> </ol>			

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

