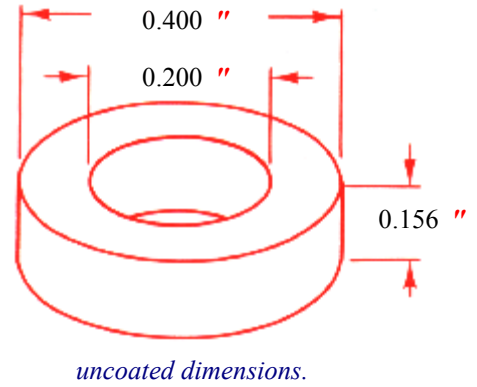


Core Data Sheet

Part Number: G50-93

Core Dimensions:

Uncoated (tol. +/-0.25)		After coating
OD (mm)	10.16	(max) 10.81
ID (mm)	5.08	(min) 4.43
HT (mm)	3.96	(max) 4.61



Physical Characteristics:			
Winding area (cm ²)	0.16	Strength (N) typ.	71.2
Surface area (cm ²)	4.55	Weight (grams) typ.	1.73
Coating	Epoxy, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		
Material:			
Grade	93		
Initial Permeability (μi)	60	tol +/-	5
Description	MPP - gas atomized 80 /20 nickel-iron alloy powder.		
Electrical Data:		Magnetic Dimensions:	
AL norm (nH)	32.00	C1 (mm-1)	2.4008
AL max. (nH)	34.56	Le (mm)	22.1
AL min. (nH)	29.44	Ae (mm ²)	9.2
DC bias at 0.8μi (Oe) typ.	50	Ve (mm ³)	203.9
Power Losses (mW/cm ³) typ. 50kHz, 1000gauss	500		
Total Losses (ohms/H/μi) typ. < 20gauss	1.5		
Special Comments			
<ol style="list-style-type: none"> 1. 2. AL band is +/- 12% for DuraFlux 3. 			

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

