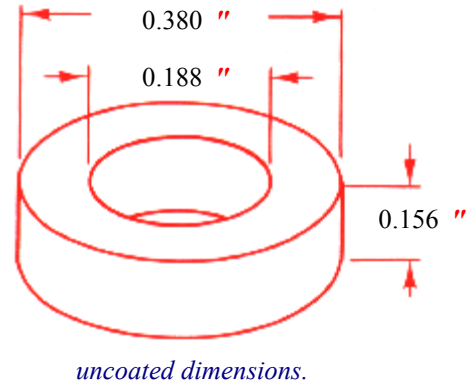


Core Data Sheet

Part Number: G51A-97

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



Physical Characteristics:			
Winding area (cm ²)	0.14	Strength (N) typ.	68.2
Surface area (cm ²)	4.16	Weight (grams) typ.	1.75
Coating	Epoxy, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		
Material:			
Grade	97		
Initial Permeability (μi)	160 tol +/- 12		
Description	MPP - gas atomized 80 /20 nickel-iron alloy powder.		
Electrical Data:		Magnetic Dimensions:	
AL norm (nH)	84.00	C1 (mm-1)	2.3820
AL max. (nH)	90.72	Le (mm)	20.9
AL min. (nH)	77.28	Ae (mm ²)	8.8
DC bias at 0.8μi (Oe) typ.	20	Ve (mm ³)	183.5
Power Losses (mW/cm ³) typ. 50kHz, 1000gauss			400
Total Losses (ohms/H/μi) typ. < 20gauss			0.2
Special Comments			
1.			
2. AL band is +/- 12% for DuraFlux			
3.			

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

