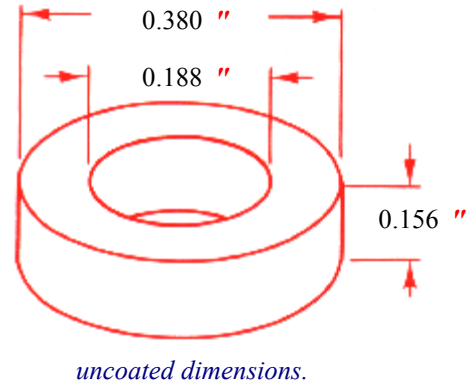


Core Data Sheet

Part Number: G51A-85

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.	1.62
Coating	Epoxy, Light Blue, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		
Material:			
Grade	85		
Initial Permeability (μi)	125	tol +/-	10
Description	High Flux - gas atomized 80 /20 nickel-iron alloy powder		
Electrical Data:		Magnetic Dimensions:	
AL norm (nH)	66.00	C1 (mm-1)	2.3820
AL max. (nH)	71.28	Le (mm)	20.9
AL min. (nH)	60.72	Ae (mm ²)	8.8
DC bias at 0.8μi (Oe) typ.	35	Ve (mm ³)	183.5
Power Losses (mW/cm ³) typ. 50kHz, 1000gauss	600		
Total Losses (ohms/H/μi) typ. < 20gauss	0.0		
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.