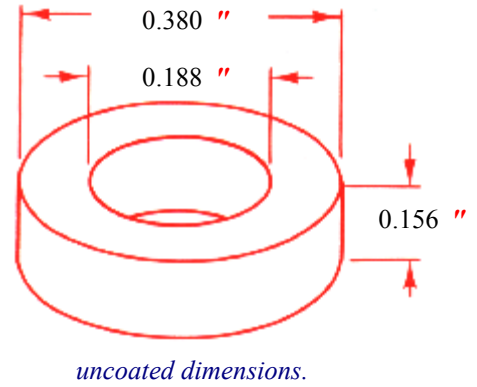


Core Data Sheet

Part Number: G51A-86

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.	1.64
Coating	Epoxy, Light Blue, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		

Material:			
Grade	86		
Initial Permeability (μi)	147	tol +/-	12
Description	High Flux - gas atomized 80 /20 nickel-iron alloy powder		

Electrical Data:		Magnetic Dimensions:	
AL norm (nH)	78.00	C1 (mm-1)	2.3820
AL max. (nH)	84.24	Le (mm)	20.9
AL min. (nH)	71.76	Ae (mm ²)	8.8
DC bias at 0.8μi (Oe) typ.	24	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
1.
2. AL band is +/- 12% for DuraFlux
3.

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

