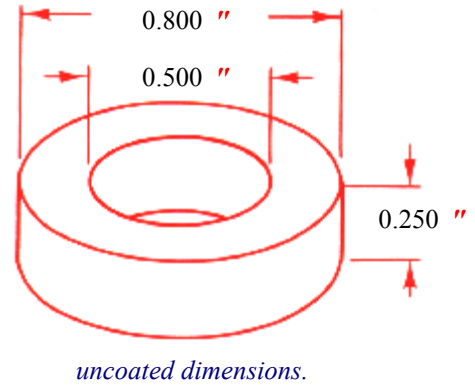


Core Data Sheet

Part Number: G29-87

Core Dimensions:

Uncoated (tol. +/-0.25)		After coating	
OD (mm)	20.32	(max)	20.97
ID (mm)	12.70	(min)	12.05
HT (mm)	6.35	(max)	7.00



Physical Characteristics:			
Winding area (cm ²)	1.17	Strength (N) typ.	175.0
Surface area (cm ²)	18.88	Weight (grams) typ.	9.54
Coating	Epoxy, Light Blue, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		
Material:			
Grade	87		
Initial Permeability (μi)	160	tol +/-	13
Description	High Flux - gas atomized 80 /20 nickel-iron alloy powder		
Electrical Data:		Magnetic Dimensions:	
AL norm (nH)	87.00	C1 (mm-1)	2.2146
AL max. (nH)	93.96	Le (mm)	50.0
AL min. (nH)	80.04	Ae (mm ²)	22.6
DC bias at 0.8μi (Oe) typ.	20	Ve (mm ³)	1129.1
Power Losses (mW/cm ³) typ. 50kHz, 1000gauss	600		
Total Losses (ohms/H/μi) typ. < 20gauss	0.0		
Special Comments			
1.			
2.			
3.			

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

