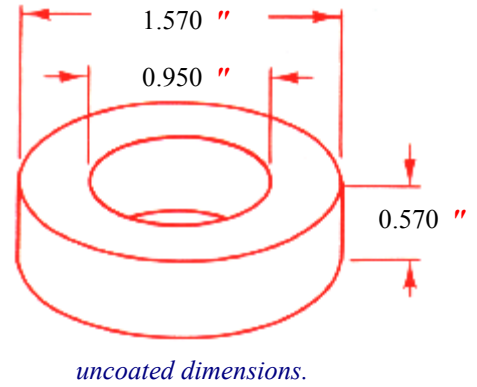


Core Data Sheet

Part Number: G48-97

Core Dimensions:

Uncoated (tol. +/-0.25)		After coating	
OD (mm)	39.88	(max)	40.53
ID (mm)	24.13	(min)	23.48
HT (mm)	14.48	(max)	15.13



Physical Characteristics:			
Winding area (cm ²)	4.39	Strength (N) typ.	784.0
Surface area (cm ²)	74.54	Weight (grams) typ.	91.73
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)	215.00	C1 (mm-1)	0.9057
AL max. (nH)	232.20	Le (mm)	96.4
AL min. (nH)	197.80	Ae (mm ²)	106.5
DC bias at 0.8μi (Oe) typ.	20	Ve (mm ³)	10268.9
Power Losses (mW/cm ³) typ. 50kHz, 1000gauss	400		
Total Losses (ohms/H/μi) typ. < 20gauss	0.2		
Special Comments			
1.			
2.			
3.			

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

