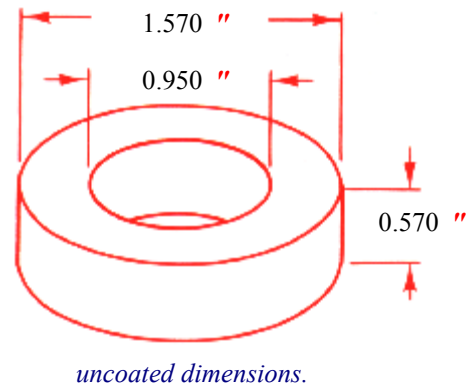


# Core Data Sheet

**Part Number: G48- 86**

**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



<b>Physical Characteristics:</b>			
Winding area (cm <sup>2</sup> )	4.39	Strength (N) typ.	784.0
Surface area (cm <sup>2</sup> )	74.54	Weight (grams) typ.	86.00
Coating	Epoxy, Light Blue, 0.2 mm approx. per surface. Voltage breakdown 500Vac.		
Packing	Not available.		
<b>Material:</b>			
Grade	86		
Initial Permeability (μi)	147	tol +/-	12
Description	High Flux - gas atomized 80 /20 nickel-iron alloy powder		
<b>Electrical Data:</b>		<b>Magnetic Dimensions:</b>	
AL norm (nH)	198.00	C1 (mm-1)	0.9057
AL max. (nH)	213.84	Le (mm)	96.4
AL min. (nH)	182.16	Ae (mm <sup>2</sup> )	106.5
DC bias at 0.8μi (Oe) typ.	24	Ve (mm <sup>3</sup> )	10268.9
Power Losses (mW/cm <sup>3</sup> ) typ. 50kHz, 1000gauss	600		
Total Losses (ohms/H/μi) typ. < 20gauss	0.0		
<b>Special Comments</b>			
1.			
2.			
3.			

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

