

Bobbins (9677142009)



Part Number: 9677142009

77 BOBBIN 3PC. ASSEMBLY

Explanation of Part Numbers:

- Digits 1 & 2 = Product Class
- Digits 3 & 4 = Material Grade
- - Last digit 8 = Coated Bobbin

Bobbins are an economical and well- proven core design for many applications where relatively low but stable inductance values are required.

For higher frequency designs, use small bobbins in 43 material.

□
For power applications, bobbins in 77 material are specified for A_L and dc bias limits.

Bobbins in Figures 2-5 can be supplied with a uniform thermo- set plastic coating which can withstand a minimum breakdown of 500Vrms. This coating will change the dimensions a maximum of 0.5 mm (0.020"). The last digit of the thermo- set plastic coated part is an "8".

□ **For any bobbin requirement not listed in the catalog, please contact our customer service group for availability and pricing.**

Weight: 8.5 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	14	±0.35	0.551	—
B	20	±0.70	0.788	—
D	12.5	±0.30	0.492	—
F	9	±0.30	0.354	—
G	2	±0.30	0.079	—
H	3.2	±0.10	0.126	—

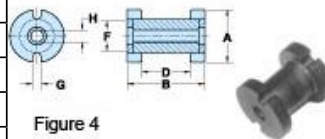


Figure 4

Chart Legend

A_L : Inductance Factor $\left(\frac{\mu}{4\pi}\right)$, NI : Value of dc Ampere- turns, A_w : Winding Area,
N/ AWG : Number of Turns/ Wire Size for Test Coil

Electrical Properties	
A_L (nH)	55 ±10%
A_L min. @ NI (At)	47 - 325
N/ AWG	81/28
A_w (cm ²)	0.31

Bobbins are tested for A_L value at 1kHz < 10 gauss.