

# Bobbins (9643001165)



Part Number: 9643001165

43 BOBBIN GROUND

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: 1.3 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	5.05	-0.15	0.196	<input type="checkbox"/>
B	12.7	±0.25	0.5	<input type="checkbox"/>
D	10	+0.30	0.4	<input type="checkbox"/>
F	2.65	+0.10	0.107	<input type="checkbox"/>
G	0.5	±0.10	0.02	<input type="checkbox"/>
H	1	+0.10	0.042	<input type="checkbox"/>

**Chart Legend**

$A_L$  : Inductance Factor  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)	17.5 ±10%
N/ AWG	30/24
$A_w$ (cm <sup>2</sup> )	0.12

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