

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.

[Catalog Drawing](#)
[3D Model](#)

Weight: 1.3 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A | 5.05 | -0.15 | 0.196 | — |
| B | 12.7 | ±0.25 | 0.5 | — |
| D | 10 | +0.30 | 0.4 | — |
| F | 2.70 | +0.07 | 0.106 | — |
| G | 0.5 | ±0.10 | 0.02 | — |
| H | 1 | +0.14 | 0.042 | — |

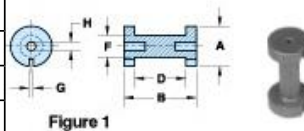



Chart Legend

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 ²) | 0.12 |

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