Fair-Rite Products Corp.
Your Signal Solution®

# Bobbins (9677182009)

Part Number: 9677182009

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: 13 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|---|---|---|---|---|
| A | 18 | ±0.45 | 0.709 | _ |
| B | 20 | ±0.70 | 0.788 | _ |
| D | 12.5 | ±0.30 | 0.492 | _ |
| F | 11 | ±0.30 | 0.433 | _ |
| G | 2.5 | ±0.30 | 0.098 | _ |
| H | 3.2 | ±0.10 | 0.126 | _ |

**Chart Legend**

$A_L$ : Inductance Factor , Nl : Value of dc Ampere- turns, $A_W$:Winding Area,
N/ AWG : Number of Turns/ Wire Size for Test Coil

| Electrical Properties | |
|---|---|
| $A_L$(nH) | 66 ±10% |
| $A_L$ min. @ Nl (At) | 56 - 400 |
| N/ AWG | 50/20 |
| $A_w$($cm^2$) | 0.44 |

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

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