Fair-Rite Products Corp.
Your Signal Solution®

Bobbins (9677001165)

Part Number: 9677001165

77 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, 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)	17.5 ±10%
A_L min. @ Nl (At)	15 - 90
N/AWG	30/24
A_w(cm^2)	0.12

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

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