



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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 | <input type="checkbox"/> |
| B | 20 | ±0.70 | 0.788 | <input type="checkbox"/> |
| D | 12.5 | ±0.30 | 0.492 | <input type="checkbox"/> |
| F | 11 | ±0.30 | 0.433 | <input type="checkbox"/> |
| G | 2.5 | ±0.30 | 0.098 | <input type="checkbox"/> |
| H | 3.2 | ±0.10 | 0.126 | <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) | 66 ±10% |
| A_L min. @ NI (At) | 56 - 400 |
| N/ AWG | 50/20 |
| A_w (cm ²) | 0.44 |

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