



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 (9677182008)



Part Number: 9677182008

77 BOBBIN 3PC. ASSEMBLY COATED

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	18.95	Max	0.746	Max
B	21.2	Max	0.834	Max
D	11.7	Min	0.461	Min
F	11.8	Max	0.464	Max
G	1.7	Min	0.067	Min
H	2.6	Min	0.103	

**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 <sup>2</sup> )	0.36 Min

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