



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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U Cores (9077002002)

Part Number: 9077002002

77 U CORE

Explanation of Part Numbers: Digits 1&2 = product class, 3&4 = material grade.

The U core offers an economical core design with a nearly uniform cross-sectional area. In a power ferrite material they are frequently used in output chokes, power input filters and transformers for switched-mode power supplies and HF fluorescent ballasts.

For any U core requirement not listed in the catalog, please contact our customer service group for availability and pricing.

Weight indicated is per pair or set.

Weight: 1.4 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	8.9	-0.50	0.34	
B	4.45	+0.25	0.18	
C	4.05	±0.20	0.16	
D	1.3	Min	0.051	Min
E	2.3	Min	0.09	Min

Chart Legend

An I core, 9377024002, is available for these U cores. See I Core Section of our catalog.

$\Sigma l / A$: Core Constant, l_e : Effective Path Length, A_e : Effective Cross-Sectional Area, V_e :
Effective Core Volume
 A_L : Inductance Factor

Electrical Properties	
A_L (nH)	695 Min
A_e (cm ²)	0.124
$\Sigma l / A$ (cm ⁻¹)	16.8
l_e (cm)	2.08
V_e (cm ³)	0.257

A_L value is measured at 1kHz, < 10 gauss. These U cores have the same minimum cross-sectional area as the listed effective cross-sectional area.