

# 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.

[Catalog Drawing](#)

[3D Model](#)

Weight indicated is per pair or set.

**Weight:** 1.4 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	8.9	-0.50	0.341	
B	4.45	+0.25	0.18	
C	4.05	±0.20	0.159	
D	1.3	Min	0.052	Min
E	2.3	Min	0.091	Min

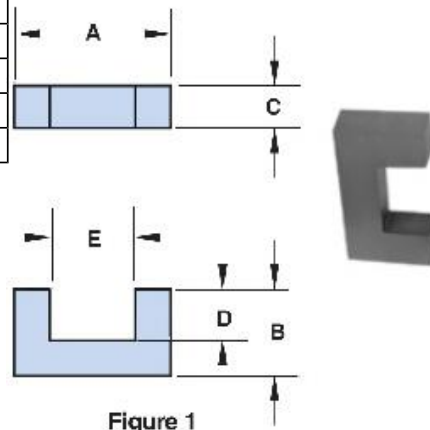



Figure 1

### 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 <sup>2</sup> )	0.124
$\Sigma l / A$ (cm <sup>-1</sup> )	16.8
$l_e$ (cm)	2.08
$V_e$ (cm <sup>3</sup> )	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.

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