

# U Cores (9077026002)



Part Number: 9077026002

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:** 15 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	25.4	±0.75	1	-
B	12.6	+0.25	0.501	-
C	6.35	/ >(0.250")	0.25	-
D	6.2	Min	0.245	Min
E	12.45	Min	0.49	Min

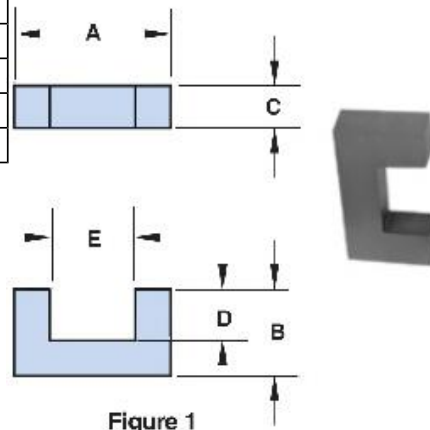



Figure 1

### Chart Legend

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

$\Sigma l / A$  : Core Constant,  $l_c$  : Effective Path Length,  $A_c$  : Effective Cross- Sectional Area,  $V_c$  :

Effective Core Volume  
 $A_L$  : Inductance Factor 

Electrical Properties	
$A_L$ (nH)	940 Min
$A_e$ (cm <sup>2</sup> )	0.4
$\Sigma l / A$ (cm <sup>-1</sup> )	17.6
$l_c$ (cm)	7.1
$V_c$ (cm <sup>3</sup> )	2.85

□  $A_L$  value is measured at 1kHz, < 10 gauss.

□ These U cores have the same minimum cross-sectional area as the listed effective cross-sectional area.

Fair- Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288  
888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • ferrites@fair-rite.com • www.fair-rite.com