

# U Cores (9277012002)



Part Number: 9277012002

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:** 66 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	41.15	±0.75	1.62	-
B	25.4	±0.15	1	-
C	11.7	±0.25	0.461	-
D	15.75	Min	0.621	Min
E	18.65	Min	0.735	Min
F	35.3	±0.60	1.39	-

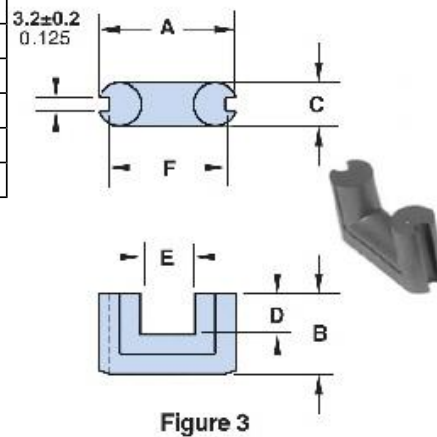



Figure 3

### 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)	1255 Min
$A_e$ (cm <sup>2</sup> )	0.98
$\Sigma l / A$ (cm <sup>-1</sup> )	13.8
$l_e$ (cm)	13.5
$V_e$ (cm <sup>3</sup> )	13.2

$A_L$  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