



Fair-Rite Products Corp.
Your Signal Solution®



U Cores (9077025002)



Part Number: 9077025002

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: 17.5 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	25.4	±0.75	1	—
B	15.75	+0.25	0.625	—
C	6.35	±0.25	0.25	—
D	9.4	Min	0.37	Min
E	12.45	Min	0.49	Min

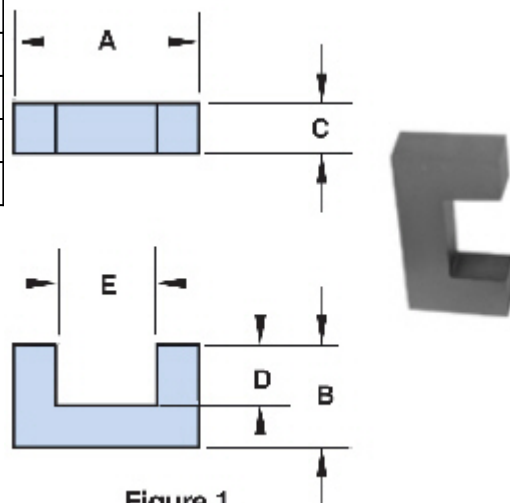



Figure 1

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_e : Effective Path Length, A_e : Effective Cross-Sectional Area, V_e :

Effective Core Volume

A_L : Inductance Factor 

Electrical Properties	
$A_L(\text{nH})$	790 Min
$A_e(\text{cm}^2)$	0.4
$\Sigma l/A(\text{cm}^{-1})$	20.7
$l_e(\text{cm})$	8.4
$V_e(\text{cm}^3)$	3.36

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