

Part Number: 9077024002

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: 20 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	25.4	±0.75	1	—
B	18.9	+0.25	0.749	—
C	6.6	-0.50	0.25	—
D	12.55	Min	0.495	Min
E	12.45	Min	0.49	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)	0.4
$\Sigma l/A$ (cm ⁻¹)	23.9
l_e (cm)	9.6

Electrical Properties	
$V_e(\text{cm}^3)$	3.88

□ 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