

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	41.70	±0.85	1.62	—
B	25.4	±0.15	1	—
C	11.65	±0.25	0.461	—
D	15.75	Min	0.621	Min
E	18.65	Min	0.735	Min
F	35.65	±0.75	1.39	—

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 ²)	0.98
$\Sigma l/A$ (cm ⁻¹)	13.8

Electrical Properties	
$l_e(\text{cm})$	13.5
$V_e(\text{cm}^3)$	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