Fair-Rite Products Corp.
Your Signal Solution®

U Cores (9277023002)

Part Number: 9277023002

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: 28 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	26.5	±0.70	1.043	_
B	15.75	+0.25	0.625	_
C	9.75	+-0.25	0.384	_
D	10	Min	0.394	Min
E	7.25	Min	0.286	Min

Chart Legend
•An I core, 9377024002, is available for these U cores. See I Core Section of our catalog.
Σl/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)	1390 Min
Ae(cm^2)	0.67
Σl/A(cm^{-1})	11.6
l_e(cm)	7.8

Electrical Properties	
$V_e(cm^3)$	5.2

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