Fair-Rite Products Corp.
Your Signal Solution®

U Cores (9277024002)

Part Number: 9277024002

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: 35 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	31.4	±0.60	1.236	_
B	18.5	±0.15	0.729	_
C	10.25	-0.25	0.394	_
D	9.4	Min	0.371	Min
E	12.5	Min	0.493	Min
F	26.6	±0.50	1.047	_

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)	1425 Min
Ae(cm^2)	0.83
$\Sigma l/A$(cm^{-1})	11.2

Electrical Properties	
l_e(cm)	9.3
V_e(cm^3)	7.7

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.

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