Fair-Rite Products Corp.
Your Signal Solution®

U Cores (9277010002)

Part Number: 9277010002

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: 54 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	41.70	±0.85	1.62	_
B	20.5	+0.25	0.812	_
C	11.65	±0.25	0.461	_
D	10.95	Min	0.432	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)	1425 Min
Ae(cm^2)	0.98
$\Sigma l/A$(cm^{-1})	11.8

Electrical Properties	
l_e(cm)	11.6
V_e(cm^3)	11.3

 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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