

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	41.15	±0.75	1.62	-
B	20.5	+0.25	0.812	-
C	11.7	±0.25	0.461	-
D	10.95	Min	0.432	Min
E	18.65	Min	0.735	Min
F	35.3	±0.60	1.39	-

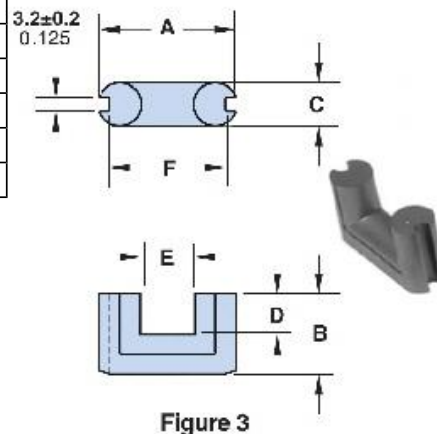



Figure 3

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_c : Effective Path Length, A_c : Effective Cross- Sectional Area, V_c : Effective Core Volume

A_L : Inductance Factor 

Electrical Properties	
A_L (nH)	1425 Min
A_e (cm ²)	0.98
$\Sigma l / A$ (cm ⁻¹)	11.8
l_c (cm)	11.6
V_c (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.

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