

## 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	—

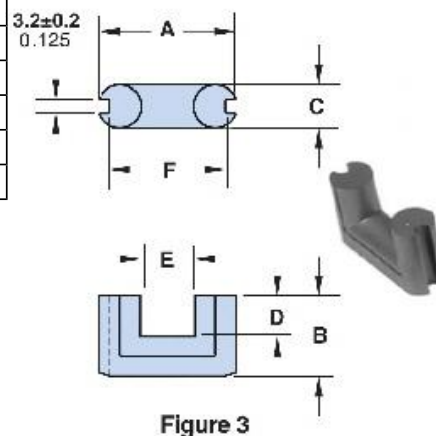



Figure 3

### Chart Legend

•An I core, 9377024002, is available for these U cores. See I Core Section of our catalog.

$\Sigma l / A$  : Core Constant,  $l_e$  : 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
$A_e$ (cm <sup>2</sup> )	0.83
$\Sigma l / A$ (cm <sup>-1</sup> )	11.2
$l_e$ (cm)	9.3
$V_e$ (cm <sup>3</sup> )	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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