



# U Cores (9077024002)



Part Number: 9077024002

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: 20 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	25.4	±0.75	1	—
B	18.9	+0.25	0.749	—
C	6.6	-0.50	0.25	—
D	12.55	Min	0.495	Min
E	12.45	Min	0.49	Min

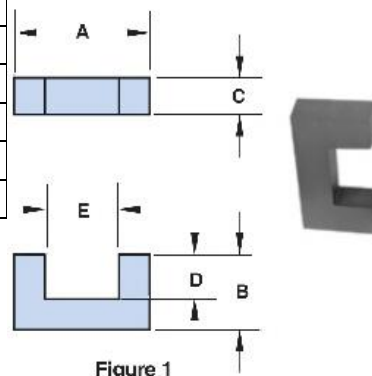


Figure 1

### 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 (H)

Electrical Properties	
$A_L$ (nH)	695 Min
$A_e$ (cm <sup>2</sup> )	0.4
$\Sigma l/A$ (cm <sup>-1</sup> )	23.9
$l_e$ (cm)	9.6
$V_e$ (cm <sup>3</sup> )	3.88

$A_L$  value is measured at 1kHz, < 10 gauss.

These U cores have the same minimum cross-sectional area as the listed effective cross-sectional area.