

Part Number: 9077026002

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.

Weight indicated is per pair or set.

Weight: 15 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	25.4	±0.75	1	—
B	12.6	+0.25	0.501	—
C	6.35	/>(0.250")	0.25	—
D	6.2	Min	0.245	Min
E	12.45	Min	0.49	Min

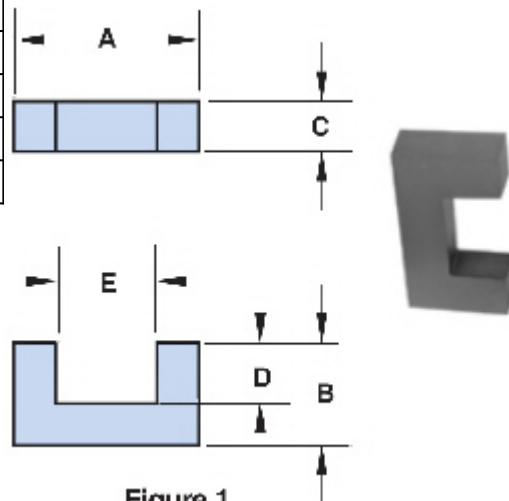



Figure 1

### 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 

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Electrical Properties	
$A_L$ (nH)	940 Min
$A_e$ (cm <sup>2</sup> )	0.4
$\Sigma l/A$ (cm <sup>-1</sup> )	17.6
$l_e$ (cm)	7.1
$V_e$ (cm <sup>3</sup> )	2.85

□  $A_L$  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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