



# U Cores (9077002002)



Part Number: 9077002002

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: 1.4 (g)

| Dim | mm   | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A   | 8.9  | -0.50  | 0.341        | —          |
| B   | 4.45 | +0.25  | 0.18         | —          |
| C   | 4.05 | ±0.20  | 0.159        | —          |
| D   | 1.3  | Min    | 0.052        | Min        |
| E   | 2.3  | Min    | 0.091        | Min        |

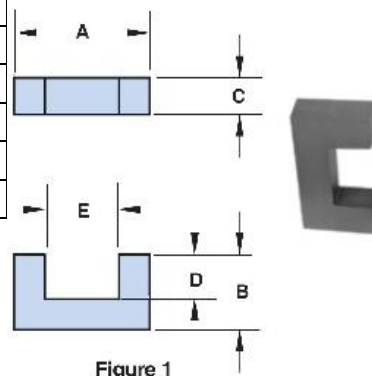


Figure 1

### 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> )         | 0.124   |
| $\Sigma l/A$ (cm <sup>-1</sup> ) | 16.8    |
| $l_e$ (cm)                       | 2.08    |
| $V_e$ (cm <sup>3</sup> )         | 0.257   |

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

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